

UNIVERSITY OF ALBERTA

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Oilers score win for kids with cerebral palsy

\$135,000 gift will support speech physiology research

By Illeiren Byles

Some of the quietest Edmonton Oilers fans may be able to cheer a little louder in the future, thanks to a gift from the Oilers Community Foundation.

"Our hope is that our research will lead to effective interventions that can start in the first few years of life, when the nervous system is flexible, when it's able to change."

— Dr. Carol Boliek

The Edmonton Oilers Community Foundation has awarded the largest single grant in its history to support the work of a University of Alberta professor in the Department of Speech Pathology and Audiology who is attempting to improve the speaking skills of children with cerebral palsy (CP) or in children who have experienced a traumatic brain injury early in life.

CP can make communication a difficult chore for children, said Jackie Hutchinson, mom of 10-year-old Madison Dyck.

"It's a big effort for him to speak,

physically. It's exhausting for all of us to understand him," she said. "In the car, if he's asking for something, I can't necessarily hear him over the radio or the noise of the traffic. It's very frustrating for Madison. Intellectually, he's all there. He has a great vocabulary, but he doesn't always get to use the great vocabulary he possesses."

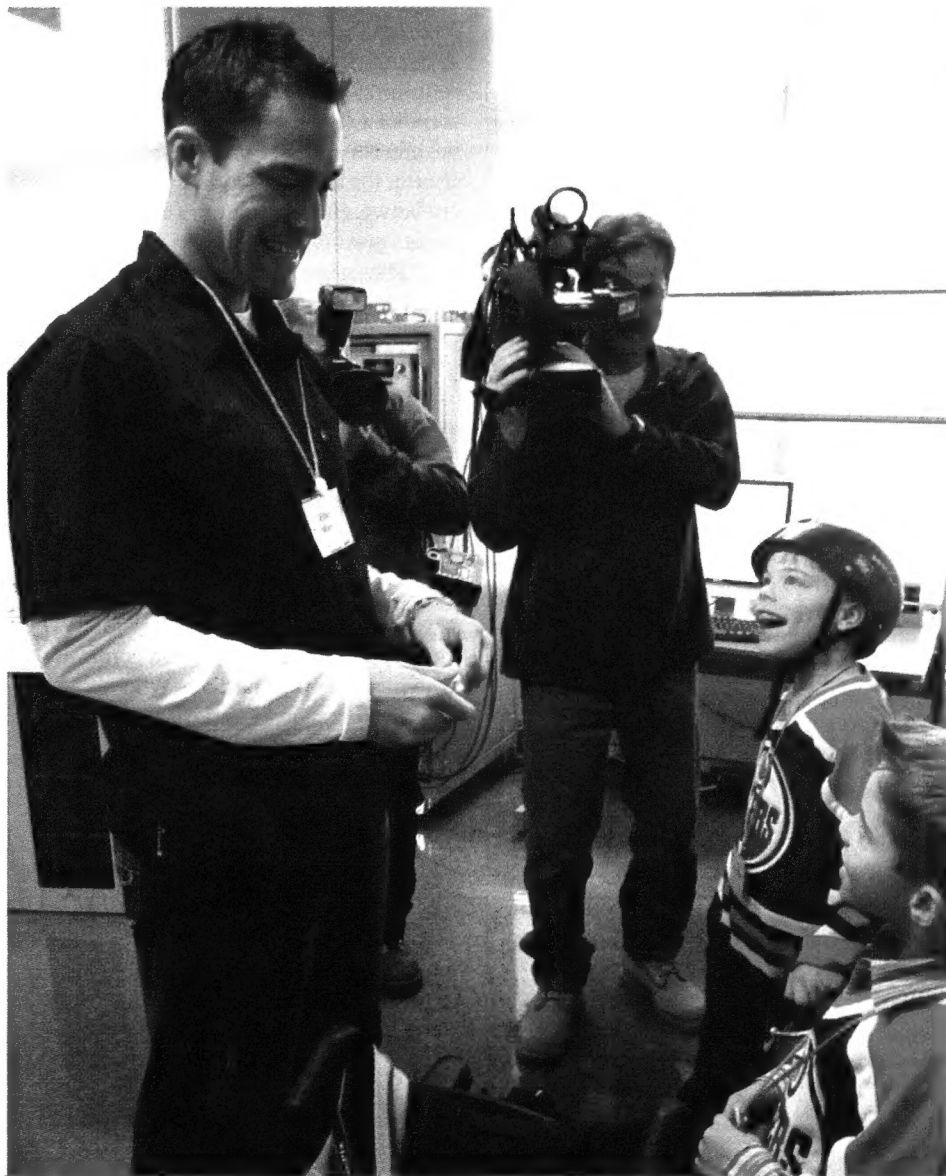
The \$135,000 gift – the single largest gift ever received by the U of A Faculty of Rehabilitative Medicine – will be used by Dr. Carol Boliek to renovate and equip her pediatric speech physiology laboratory in Corbett Hall, allowing her to intensify her work on understanding and improving how children with CP and pediatric traumatic brain injuries learn to talk.

"The Edmonton Oilers Community Foundation gift could not have come at a better time for us," she said. "We are particularly interested in intensive therapies used with people who have Parkinson's disease. These treatments have been shown to improve speech by making permanent changes in their brain. We are in the process of applying these therapies to children with CP."

"Our hope is that our research will lead to effective interventions that can start in the first few years of life, when the nervous system is flexible, when it's able to change."

Any injury to the developing brain of a fetus may cause CP. In these cases, the damage to the brain is in the regions that control motor activities such as walking and talking. Most often the damage to the brain occurs during pregnancy, at childbirth or shortly after birth.

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Madison Dyck, 10, and his brother Gabriel, 7, share a moment with Oiler Ethan Moreau during the Oilers Community Foundation announcement on Nov. 22.

Illeiren Byles



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Students expand coalition for cellphone-free driving

Kick off provincial campaign with Alberta tour

By Ileiren Byles

A group of University of Alberta researchers and graduate students made a whirlwind tour of Alberta to mark the one-year anniversary of a program that convinces companies to keep employees cell-phone-free while driving.

On Nov. 21, the first anniversary of the Coalition for Cellphone-Free Driving's launch, the group announced it is expanding. The coalition, previously a capital-region initiative, kicked off a provincial campaign today during a nine-stop tour of Alberta - hitting all of the province's health regions.

"We do want to put a little pressure on all the health regions in one day," said Dr. Louis Hugo Francescutti, a professor in the School of Public Health, during the group's stop in Edmonton. "Albertans have to understand that you can't talk on a cell-phone - whether it's hand-held or hands-

free - and drive a vehicle. You just can't do it. And if you try to do it, what ends up happening is you're more likely to be involved in rear-end collisions, you're more likely to be involved in left-hand turn collisions, you're four to six times more likely to be involved in collisions overall."

It doesn't matter if the cellphone is hand-held or hands-free, said Francescutti. "It's the conversation that's the distracter. This is an issue that doesn't need much talking. The science is irrefutable. Either we're stupid, and we don't believe the science, or we're stupid and we're just putting people's lives at risk."

The project, created and led by graduate students in the U of A School of Public Health, convinced several prominent Alberta companies to adopt policies that restrict their employees' use of cellphones while driving.

To date, six corporate sponsors officially signed on with a commitment to cellphone-free driving. It's a decision that made sense for engineering firm AMEC, said John Kageorge, the company's communications manager.

"Businesses that are loading their employees up with gadgets and gizmos, giving them huge task lists and putting them behind the wheel need to think twice and act responsibly," he said. "We have 20,000 employees around the globe - all cellphone free - and we encourage other businesses to do likewise. This model designed by Louis Francescutti is brilliant, but it's no more than what your mothers tell you to do - focus on the task at hand and work at getting home."

This year, the coalition has expanded its program to increase public awareness about the dangers of driving while using a cellphone, through a new partnership with some of Alberta's regional health authorities. Sterling Crane provided an aircraft to shuttle the team of students and supporters between nine locations to host kick-off events around the province.

"The safety of our employees is very



Dr. Louis Hugo Francescutti and grad student Richard Golonka exit a plane during their tour stop at the Edmonton City Centre Airport.

important," said Russ Brown, Sterling Crane's director of safety and environmental affairs. "Whether an injury occurs on or off the job, it has an impact on our business, which extends well beyond economics and touches us very personally. We are confident that our cellphone policy will make a difference."

Drivers only need to watch the road to see how cellphones affect safety, he said. "You all see the activity on the road, you recognize the people who are driving while they're talking and you can see the bad behaviours of those people and the risk that we're at."

The policy developed by the students stipulates that employees must ensure that, while driving, calls are directed to voice mail. If an employee must make an emergency 911 call, the vehicle should be parked in a safe location before making the call. Finally, coalition members must ensure all employees are aware of the policy and are expected to comply with it.

"I am very proud of the great job our students and regional supporters did on this project," said Francescutti. "And to have the opportunity to celebrate our provincial expansion and meet our partners in person across Alberta is tremendous."

Injuries are the leading cause of death for people aged one to 44 years in Alberta; motor vehicle-related injuries account for the majority of these deaths. In Alberta, six people die every week in traffic collisions. Most motor vehicle collisions are the result of driver error.

"The School of Public Health is about this, it's about those things within our society that create injury, lead to chronic disease, lead to those sorts of things which our health system just can't manage," said Roger Palmer, dean of the School of Public Health. "If we have good basic public policy, if we start to change some of these habits that we all have, we would do a lot to improve the overall standard of care in the health system in this province." ■

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UNIVERSITY OF ALBERTA

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Prime Minister appoints U of A president to national committee

Advisory committee to examine the public service sector in Canada

By Caitlin Crawshaw

Prime Minister Stephen Harper has invited University of Alberta President Dr. Indira Samarasekera to join a committee of nine prominent Canadians who will advise him on the renewal and development of the public service sector.

"The public service of Canada is an important asset with a significant influence on the well-being of Canadians. I am honoured to be serving such an important endeavour," said Samarasekera.

According to Harper, the public service

"must continue to adapt to meet the changing realities of Canadian society."

"This is particularly true as the current baby boom generation retires. The future development of the public service requires sound advice, innovative solutions and strong support from both within and outside government."

On Nov. 21, Harper announced that the Right Honourable Don Mazankowski and the Honourable Paul Tellier have agreed to serve as co-chairs of the committee.

The committee's other members include: Dr. Robert Lacroix, professor in the University of Alberta's Department of Economics, the Honourable Aldéa Landry, Dominic d'Alessandro, president and CEO of Manulife Financial, Barbara Stymiest, COO of RBC Financial, Lynton Ronald (Red) Wilson, Chairman of the Board of Nortel Networks Corp. and Sheila Weatherill, president and CEO of Capital Health. ■

► Continued from Page 1

Oilers score win for kids with cerebral palsy

Depending on which areas of the brain have been damaged, one or more of the following may occur: muscle tightness or spasm, involuntary movement, disturbance in gait and mobility; abnormal sensation and perception; impairment of sight, hearing or speech; seizures; and mental retardation.

The U of A laboratory is all about the gift of communication, said Dr. Dave Reid, an orthopaedic surgeon with the Edmonton Oilers and driving force behind the gift.

"The transfer of our needs, wants, desires, emotions, plans and dreams are easy for most of us. But for those of you who have lived, worked with individuals who have sustained neural damage from

trauma, stroke or birth injury, you see firsthand on a day-to-day basis the magnitude of the challenge and the frustration of communicating even the simplest idea and concept," he said. "I sincerely believe that the research that will be conducted in this lab will one day enable us to unlock the incredible and the untapped plasticity of the human brain - even a severely damaged one."

"Our researchers in speech pathology and audiology are breaking new ground virtually every day," said Sandra Conn, U of A vice-president (external relations). "Dr. Boliek's work has a significant impact that reaches far beyond our campus laboratories. Her work will ultimately be used

to improve the speech skills of children with cerebral palsy and children who have experienced a traumatic brain injury early in life. This support from the Edmonton Oilers Community Foundation means the world to these children and their families."

It's already made a difference for Madison, said Hutchinson.

"His speech was better because they taught him things like speaking from the top of your breath. He did improve in that month of therapy," she said, watching her son chatting with a TV news reporter. "Did he make new brain connections? I daresay, maybe he did, because we know that in public situations like now he'll try really, really hard and he'll be understood." ■

Gender equality still not an exact science

Women are achieving greater representation in universities, but gender disparities still plague science

By Caitlin Crawshaw

This November, Statistics Canada reported that enrolment in Canadian universities hit the one-million mark last year for the first time ever and that women accounted for more than half of all students.

Released Nov. 7, the survey of undergraduate and graduate registrations indicated that female students now account for 58 per cent of all registrations, compared with 56 per cent in 1994/1995 and 51 per cent in 1984/1985. When you break the numbers down by level, women are a strong majority in both categories, comprising 59 per cent of undergraduate students and 53 per cent of graduate students.

But while this might suggest that the gender gap has narrowed in all fields, long-time women-in-science advocate Dr. Margaret-Ann Armour argues that women are still not represented equally in science – particularly in the upper echelons of academia.

Armour explains that while women do account for slightly half of the undergraduates in science programs, this number varies greatly across disciplines. In first-year U of A engineering classes, for instance, only about a quarter of all students are women (though this is greater than the 18-per-cent Canadian average). In computing science, female enrolments are on the decline. Overall, women continue to be well represented in the life sciences – like biology and chemistry – but not as represented in traditionally male-dominated sciences like math and physics.

Further, women are choosing graduate studies in science in greater numbers than ever before, though it is still uneven. Men represent 54 per cent of doctoral registrations, down from 61 per cent a decade ago.

Of the women who choose to pursue a PhD in science, few follow it with a post-doctoral fellowship. In other words, when they reach the ideal time for beginning a family, women change course.

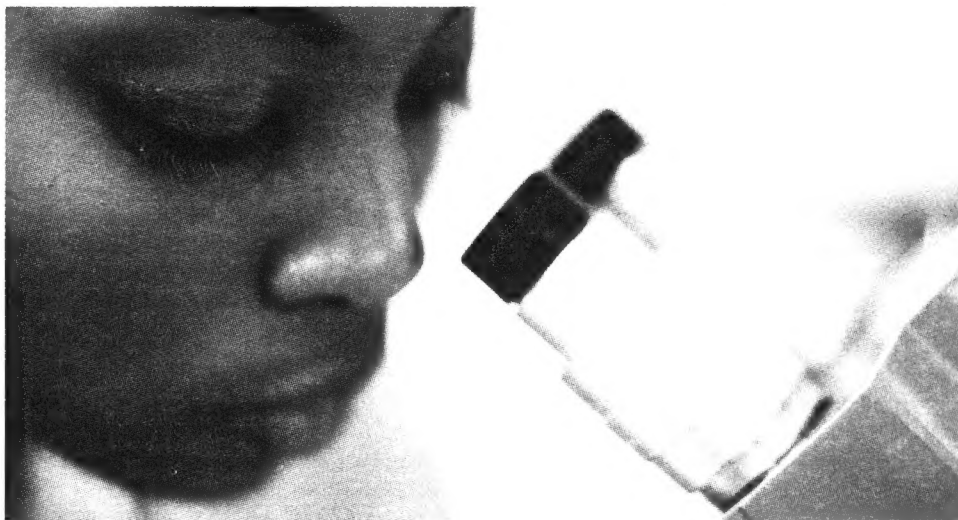
"Of the post-docs in biological sciences, only 10 per cent are women. There's a real drop off there, and that has to do with the biological clock," she said.

"That's certainly one of the places where we're seeing a break in the numbers. And we see it in the numbers of faculty members across science – there are 15 per cent women faculty, and that hasn't changed for seven years. That's what the real concern is."

"People often say, just give it time, but it's not changing," added Armour. "And we know there are an awful lot of reasons for this. I've talked to graduate students and the message is, 'I don't want the stresses and busy lifestyle that I see my supervisor have.' So they are choosing other careers than academe."

As Associate Dean (Diversity) of the U of A Faculty of Science, Armour is working to change these numbers by targeting graduate students.

"The first thing I've been doing is sitting on selection committees and looking at things we can do to attract women to apply



for positions we have available."

Part of this involves proactive measures like chatting with specific women to encourage them to put their hat in the ring and changing job postings to make the job descriptions broader. "Women look at an ad, and if they don't think their qualifications meet everything in the ad...they don't even apply," she explained.

While they don't get special treatment after they apply, "we need to get the applications in the first place – if we don't get them, we can't hire women."

Armour says another critical aspect is the education of both women and men, in the systematic biases that still influence the hiring process.

"We know, and this is astonishing to me that we're still doing this, but when a group of women and men look at a woman's CV, they rank it slightly lower than an identical CV which they believe is that of a man."

On top of these strategies, Armour says departments must actively seek out female scientists to give talks on campus. "That gives a message that there are women out there who are in academia and enjoying it and doing very well."

She explains that younger women are more likely to consider academe when they have women role models.

U of A President Dr. Indira Samarasekera agrees. In an interview with CBC Radio's Michael Enright, she explained that it is important to publicly "celebrate role models of women who have succeeded." She herself knew of few women engineers during her university education in Sri Lanka, but says she was glad for the support from her colleagues – who were overwhelmingly male – in the engineering faculty.

Samarasekera doesn't think that being the only woman, or among few women, is necessarily the biggest stumbling block or hindrance to women eyeing academia in a scientific discipline. The bigger challenge may be one's reaction to being a minority.

"Sometimes there are internal as much as external barriers. And the internal barriers are getting used to feeling out of place, to being different. I was the only woman in mechanical engineering at the time, and I

remember feeling out of place constantly," she explained.

However, she describes herself as "a person who believes passionately that you take a situation where you may feel uncomfortable, and you try to turn it around." Clearly, she has done just that.

Canadian astronaut Julie Payette is familiar with being one of a handful of girls studying physics and engineering, but says she "never felt out of place, or that anyone made me feel that way during my studies. So, I went to U of T and McGill in engineering, and I was very much in my place and had a grand time."

Payette, who received an honorary degree at the U of A fall convocation, acknowledges that there are some myths about who is best suited for engineering, science, math and physics, but doesn't think we should focus on recruiting women into science. Instead, she argues that everyone should be encouraged to pursue science.

"The way I approach it is it's important that we have technical people, because we are a technological society. (Having) more people embrace technological careers – men and women – is important for our society..."

Armour might disagree. She argues that there needs to be concrete solutions in place to make academia work with the lives of women. Access to child care, especially, should be offered. Armour adds that it is becoming increasingly important for the U of A to meet the needs of female academics, in the face of stiff competition from other universities which are all eyeing up the brightest scientists.

"If we're going to attract top candidates, particularly top young women, we've got to be able to show that this is the kind of place where they'll find the kind of support they want for their kids and that there's mentorship so their career will be successful," said Armour, adding that the U of A Faculty of Science has had a mentorship program for the last 2-1/2 years.

Dr. Lindsey Carmichael graduated from the U of A in November with a PhD in biological sciences and the Governor General's Gold Medal. She's now beginning a career as a children's book author, and not pursu-

ing an academic career. Carmichael says her reason for shifting gears relates to a long-time desire to become an author and that she intends to remain in science, in minimally stressful roles.

In her view, it's a great time to be a woman in science since "universities and funding agencies are working hard to ensure equal opportunities for both sexes."

But Carmichael says the culture of academia is still affected by inequities. "Sexism is far from dead in academia," she said. There remains a dichotomy in terms of how peers and supervisors interact with women and men. This difference isn't always apparent. "The vast majority of male faculty and graduate students are great people and treat female graduate students just as they would males," she said, but sometimes it rears its ugly head.

She recalls how a friend of hers, who now works in a cancer genetics lab at Stanford University, was once told by her professor, during her undergraduate education, that she wasn't smart enough to go into genetics. He suggested instead that she pursue nursing. "Considering how I've felt on receiving far less horrifying condescension, I will never know how she managed to refrain from hauling off and slugging him," said Carmichael.

"It's also sad but true that these kinds of problems are most often experienced by women who would be considered especially attractive," she added. "I have a number of grad-school friends who are brilliant, competent, incredible women and also happen to be beautiful (or "hotties," as their students write on their evaluations). The off-hand comments these women will receive, and the general attitude towards them, can be disheartening and occasionally disgusting."

Samarasekera believes that whenever possible, the university needs to send the message that stereotyping women is always inappropriate, but she says there are differences between men and women that are relevant to how we learn.

"Men and women have the same average intelligence, but I think there are differences. The question of 'Do those differences contribute to a different aptitude in doing science and math?' – I think the jury's still out on that one, but I don't think there is, quite frankly, if (women are) given the opportunity to do science. Having said that, they approach the questions differently and may come up with different answers," she said.

It is precisely because of these differences that science needs women, says Armour.

"Women are still socialized a little differently than men, so they bring different questions which I think is very important. They bring different ways of asking the questions and they bring a desire to have strong interaction with their colleagues," she said. "Women tend to enjoy working together and, as science becomes more interdisciplinary, that becomes an important characteristic." ■

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Boycotting Maclean's: what took so long?

Now, if Canada's universities could work together to offer meaningful information

By Dr. Reuben Kaufman

Bravo! The U of A has finally withdrawn support for the annual *Maclean's* University rankings lottery (University stands by decision on *Maclean's* ranking, *Folio*, 17 November).

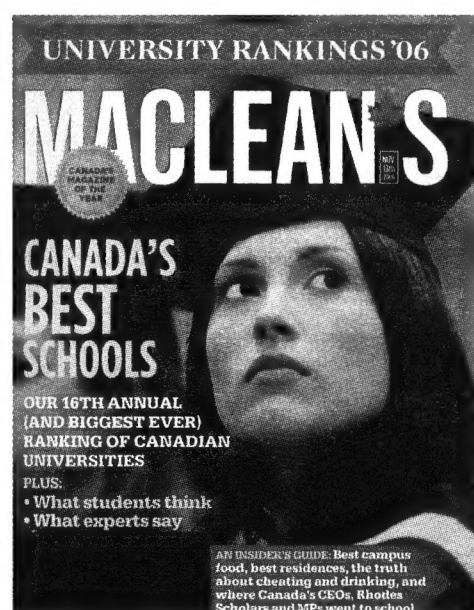
The expressed reason for doing so – the system is flawed to the core – makes sense, of course. But there must be something more to the story if 10 other universities, after 14 years, simultaneously arrived at the same conclusion, apparently giving courage to 15 additional universities to ultimately join the boycott. It certainly didn't require much in the way of academic smarts to recognize that the *Maclean's* ranking lottery has been seriously flawed from day one. Although minor improvements were introduced along the way,

many (most?) of the measures have always bordered on close to meaningless in defining a university's quality. The shortcomings are known well enough to not require repeating here. The most egregious flaw, perhaps, is the major premise that institutions such as universities can be ranked in linear fashion as one can compare athletic performance, say, for which unambiguous ranking criteria can be defined.

What really puzzles me is why it took so long for some of our major universities to wise up. I assume that they co-operated with *Maclean's* all these years because the exercise was regarded as excellent (and inexpensive, so I'm told) advertising. Throughout this time, however, most of the universities must have perceived measures

in the system that disadvantaged them, and probably each of them tried to negotiate with *Maclean's* for a change in those selected measures. Our senior administrators, for example, have always complained about (among other things) the way grades of incoming students are calculated, but only because it reduced our potential score. I always found it amusing (all the while gritting my teeth!) when our administration, over the past few years, calculated and reported a higher rank for the U of A by removing the measures that they didn't like. Did it not occur to anyone that the other universities probably did likewise? More important, apparently not until this year has anybody examined whether there are important meanings behind the small differences in raw score, for any of *Maclean's* measures, among universities in the top 10 ranks.

I guess that our administration finally reckoned that the advertising value of participation was no longer worth being relegated to the sixth spot, plus/minus one or two, year after year. The fact that 10 other universities came to a similar conclusion at the same time raises the obvious question: was this coincidence or collusion? But I really should stop complaining about the past. None of this will matter if the boycott by over half the participating universities soon results in the long-deserved demise of



The latest *Maclean's* university rankings issue.

the game itself. I repeat: Bravo!

Withdrawing from a flawed system is one thing. But will the 26 universities, perhaps via a competent institution such as the Association of Universities and Colleges in Canada, now fill the void by preparing a publication that can really help individuals gauge which universities might be most suitable for them? Such a resource should obviously steer clear of ranking the participating universities. A reliable resource like this would take some time to develop, so if there is any sense at all to this idea, the process should begin without delay.

Dr. Reuben Kaufman is a professor in the U of A Department of Biological Sciences. ■

folio letters to the editor

Work-life balance hardest for academics

Editor, *Folio*

I read with interest the article by Caitlin Crawshaw, "Not sick enough," which appeared in the Nov. 17 issue of *Folio*.

As academic staff will know, the University of Alberta Academic Staff Association sponsored a study of workload/worklife issues among its members earlier this year, and the resulting report is available for download from the AASUA website at <http://www.uofaweb.ualberta.ca/aasua/pdfs/AASUAworkloadReportJune30.pdf>.

The "Not sick enough" article is written very much from the perspective of employees who do not work under the Faculty Evaluation Committee (FEC) system of work appraisal. Specifically, the supervisor-employee relationship discussed in the article does not apply to faculty. Instead, faculty operate under an open-ended but limited system of rewards for "more" (papers, committees, presentations) and "excellence" (top journals, awards, etc.). In this system, "enough" is not defined, and the choice of taking time off may directly (negatively) impact the annual evaluation. The notion that "Employees with a tendency towards perfectionism need to change their attitudes," ascribed to Vice-Provost Larry Beauchamp, runs contrary to the entire academic ethic and the pursuit of excellence espoused in President Samarasekera's "Dare to Discover" vision

statement ("We value: excellence in teaching that promotes learning, outstanding research and creative activity that fuel discovery and advance knowledge...").

Overwork is not seen as a "badge of honour" by faculty, but as likely the only way to get the extra increments that are needed for promotion and tenure, as well as financial security. The AASUA survey found that work-related stress levels were highest in two groups: academic administrators and associate professors. While the source of stress on chairs and deans is obvious, the cause of stress on associate professors most likely relates to a combination of career and personal life pressures (promotion, tenure, young families) that commonly focus at this career level. Stress levels in other academic staff categories are marginally lower, but over half of all academic staff (54.3 per cent of respondents) reported their workloads to be unmanageable.

A solution to this problem is being mulled by several groups and task forces across campus, and there is no clear or easy solution. However, it is important first to recognize what the sources of stress are, before suggesting solutions. I submit that programs such as healthy workplace weeks, vacation management policies, and bans on "out-of-hours" e-mails entirely miss the point for academic staff.

Dr. Jeremy Richards
University of Alberta

folio letters to the editor

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China Institute continues to grow

Government invests \$12 million in U of A centre

By **Ileiren Byles**

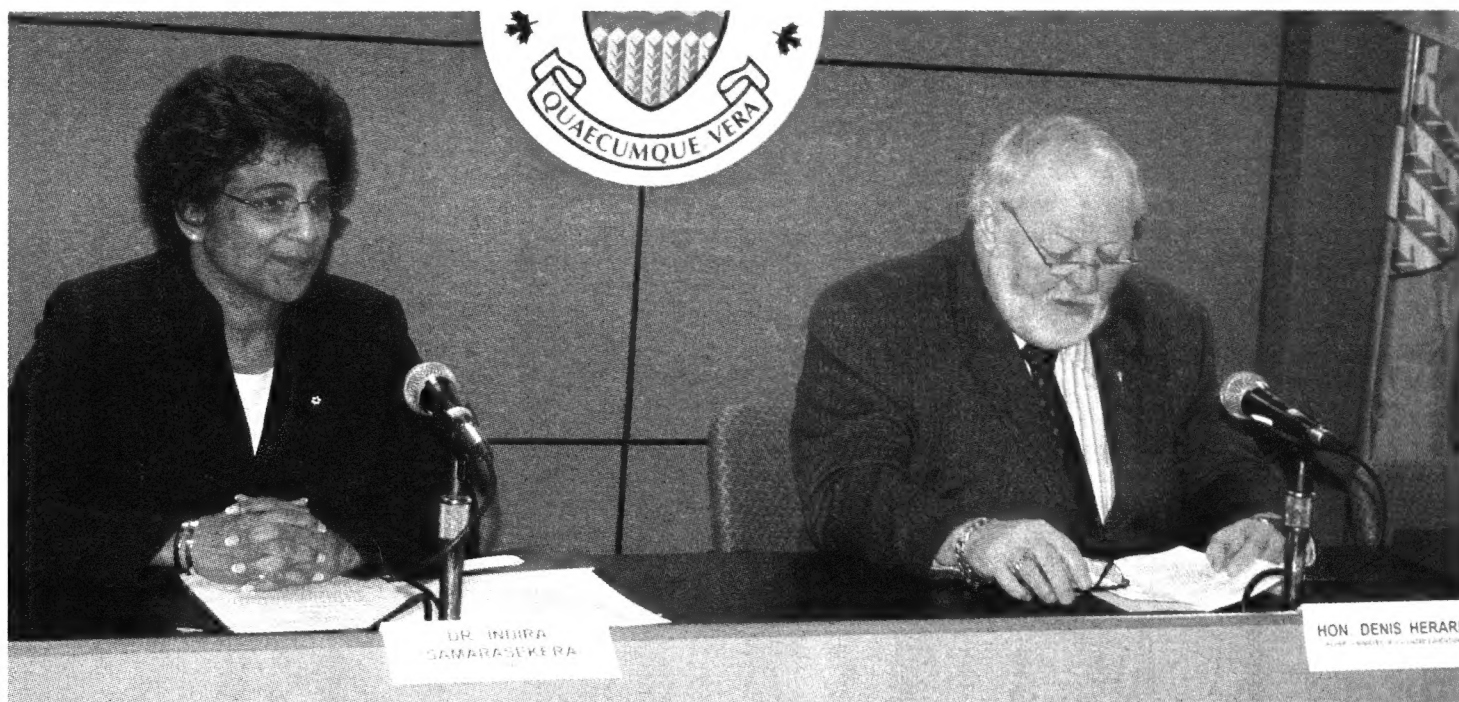
The province's commitment to match a \$37-million gift will help the University of Alberta create a world-class institute in Chinese studies, said U of A President Dr. Indira Samarasekera.

"This will enable the China Institute to expand quickly, immediately, in major areas of its existing work and this will benefit not only the U of A, but Alberta and Canada, in better understanding China and building vital relationships with a region that is just rising, I think, on a daily basis."

— President Dr. Indira Samarasekera

A \$12-million Alberta government investment in the U of A's new China Institute will support the institute as it develops educational, research and business connections between China and Alberta. The money is an initial payment towards matching a \$37-million donation of rare Chinese artifacts to the university by Dr. Sandy and Cecile Mactaggart, the balance of which will be made up over the next two years.

"This will enable the China Institute to expand quickly, immediately, in major areas of its existing work and this will benefit not only the U of A, but Alberta and Canada, in better understanding China and building vital relationships with a region that is just rising, I think, on a daily basis," said Samarasekera. This will enable us to take the lead in promoting the province of Alberta's activities with China, such as bilateral exchanges with the energy sector and training of Chinese executives."



U of A President Dr. Indira Samarasekera and Denis Herard, Alberta minister of Advanced Education at the Nov. 20 announcement of \$12 million in funding for the China Institute.

"There's no doubt that Canada will gain in terms of its relations with China and that the China Institute will help us as a nation to expand opportunities, both in scientific innovation, cultural understanding and business ventures for the long term."

The provincial money will be allocated to the University of Alberta outside of the Access to the Future funds, said Denis Herard, minister of Advanced Education.

"By the sheer size of this investment, with respect to the Access to the Future Fund, we had some difficulty in matching, because there's \$45 million available for something like \$200 million worth of donations so far. So, I'm really pleased that we're able to move this particular investment into direct funding immediately," he said. "As part of my discussion with Sandy, it was really enlightening to me to hear him discuss the phenomenal benefits that he

sees in the China Institute, and the absolute necessity of our culture and our civilization here to get to know more about the culture and civilization that is China's history."

The Mactaggart collection, with an appraised value of \$37.3 million, consists of more than 700 pieces and has been certified by the federal government as Canadian cultural property, meaning that it has met standards of national importance. The China Institute will focus on scholarships and bursaries for student exchanges, joint research, development and commercialization programs; and Chinese studies including language, culture, history, politics and economic structure.

"On behalf of my wife Cecile, who created the collection of Chinese textiles and paintings, I gratefully acknowledge the provincial government commitment to match private donations to Alberta post-

secondary institutions," said Mactaggart. "As many of you will know, she felt rather strongly that funding to enable the China Institute to fulfil its mandate was of great importance, both for the benefit of Canada's relations with China as well as to indicate to future donors that government fulfils its promises in a timely manner."

"We're intensely grateful that our province enables its citizens to double the value of their donations to the universities and to the colleges to educate future leaders of our society."

The \$12 million will come from additional second-quarter investments announced Nov. 15. This funding is in addition to the \$45 million available in the Access to the Future Fund for 2006-07 to match donations from the private sector to post-secondary institutions. ■

Med student earns Rhodes Scholarship

Twenty-two-year-old is U of A's 24th Rhodes Scholar

By **Richard Cairney**

Travis Murdoch was clearly interested in science when, at 16, he spent a summer working in a world-renowned University of Alberta research lab. Now, his passion for medicine and research led to acceptance in the prestigious Rhodes Scholarship program at Oxford University.

"We are absolutely delighted that Travis has received this prestigious recognition," said U of A President Indira Samarasekera. "It is a tribute to his achievements and to those around him who have encouraged him throughout his academic journey. He is an exceptional student and brings great distinction to the University of Alberta."

Twenty-two-year-old Murdoch is the U of A's 24th Rhodes Scholar and its third in four years. The third-year medical student says his experience working with the research team that developed the Edmonton Protocol treatment for Type 1 diabetes was inspirational. As a teen participant in the Alberta Heritage Foundation for Medical Research's summer mentorship program in 2001, Murdoch joined the research group shortly after it announced its groundbreaking advance in islet cell transplantation.

"I have had a few people in my life who have been tremendously supportive and I am very appreciative of everything they have done for me - they really gave me an opportunity when I didn't have any experience," he said.

And as a university student, those opportunities kept coming. He works

as a part-time researcher with the islet transplant team, under Dr. James Shapiro, and conducts research with Dr. Richard Fedorak, director of the U of A Centre of Excellence for Gastrointestinal Inflammation and Immunity Research.

"The fact that they continued to have me on - there is a lot of trust involved in letting someone into your lab with a lot of expensive gear and let them do experiments. It is phenomenal that we have these kinds of researchers at the U of A who are really world class and who give students like myself a chance to get involved."

Fedorak says he isn't surprised that Murdoch was successful in his Rhodes bid.

"Travis is probably one of the brightest and most enthusiastic students I have had the opportunity to work with in the last 20 years," Fedorak said. "He's bright, he's energetic, he's thoughtful, he's compassionate - he has all of those attributes that make for an outstanding clinician-scientist."

Murdoch will take a one-year leave of absence from his studies at the U of A to attend Oxford in October. There, he'll work towards a Masters of Science in Integrated Immunology.

"I am interested in translating basic science into clinical application, so this program is perfect for me. It really complements my career and research goals," said Murdoch, who hopes to go on to conduct clinical research in an academic setting, as well as teach and practice medicine.

Murdoch has interests beyond medicine and academics. He has formed a

literature club for medical students that focuses on fiction, as opposed to scientific literature.

"The idea is to have a book a month that is non-medical and short, because medical students--myself included--have surprisingly short attention spans. Then, we go for coffee at the end of the month (because medical students love coffee), and we talk about the book," he said. "It's nice to sit down with people and talk about something other than medicine for a change."

He remains active in the AHFMR Heritage Youth Research Summer program that originally brought him to campus, and is a volunteer judge and workshop instructor for junior high school debate tournaments.

He's also a musician, playing bass with the local indie rock group Snic, and collaborating with other local musicians in capacities ranging from session musician to recording engineer. He is press director with local record label Seraph-Saraph; all the label's recordings are in the public domain, posted online at www.seraph-saraph.com.

Fedorak says those external interests serve Murdoch well.

"Travis isn't all about academics and school Travis has a life outside of medicine which is important and he donates a lot of this time and energy to volunteer efforts. He is one of those people who is able to keep it all together and do it all, and that's what has made him a Rhodes Scholar." ■



Travis Murdoch has earned a prestigious Rhodes Scholarship.

Professor hears the sweet sound of success

High-tech acoustic laboratory opens at Campus Saint-Jean

By Ileiren Byles

Canada's first vocal acoustics laboratory will give University of Alberta researchers a chance to see what beautiful music looks like.

The laboratory at the U of A's Campus Saint-Jean is able to take the energy and vibration of sound and turn it into a visual graph that researchers can use to quantify tone, harmonics and the beauty of music, said lab director, Dr. Laurier Fagnan, professor of music responsible for the vocal/choral program at Campus Saint-Jean.

"When we sing a note, there's the note that we sing, but above that there's a whole series of harmonics which give the sound its character and its richness and its carrying power."

— Dr. Laurier Fagnan

Fagnan's work with choirs is based on the bel canto method of vocal instruction. This traditional Italian teaching method had been used for centuries to improve the output of solo opera singers, but it had never been systematically employed to improve the sound of choirs.

"The human voice is the human voice, whether you're singing in a choir or you're singing in an opera," he said. "What I do is take what's good about those techniques - the very efficient vibration of the vocal cords, the very complete exploitation of the resonance system and great breath control - and I try to apply it to choral singing in a way that will make each singer feel like he or she has complete control of their voice and can give 100 per cent of their vocal potential to the beauty of the sound."



Dr. Laurier Fagnan with visual images of sound.

In working on his doctorate, however, Fagnan struggled with how to prove that this method was working. "I knew this worked, but I can't just say, 'Well, there you go, it worked. Listen to it. It's beautiful.'"

Fagnan went to the world's foremost acoustics research facility in Paris, the Institute for Research in Acoustical Music, to look for a solution. "There they helped me to develop some neat programs that can actually quantify differences scientifically and not just say, 'There it's more beautiful. It's more catchy here, it's more in-tune here,'" he said. "In choral singing,

there are 50 voices coming at the microphone, singing four or six different notes at a time, and before it had been almost impossible to separate all of that into separate acoustic components. They helped to write some programs that could dissect that kind of acoustic information and comment on it in a scientific manner."

Thanks to a grant from the Canadian Foundation for Innovation and funds from the University of Alberta, Campus Saint-Jean is opening a lab to allow researchers access to these tools. The lab's state-of-the-art equipment will be used

to research the singing voice, the spoken voice, linguistics, and even aid teachers who lose their voices in the classroom, said Fagnan.

"It will certainly be a multi-tasking kind of lab," he said. "There will be a lot of equipment and software aimed at analyzing the human voice and analyzing its different components of vocal energy, all of its harmonic structure. When we sing a note, there's the note that we sing, but above that there's a whole series of harmonics which give the sound its character and its richness and its carrying power." ■

Twenty-million dollar research boost to U of A

Four projects receive funding

By Ileiren Byles

The Canada Foundation for Innovation (CFI) has announced the investment of \$21.5 million to the University of Alberta for research ranging from diamond analysis to organ transplantation.

"The CFI's support of cutting-edge research infrastructure has transformed Canada's research landscape and increased the country's international competitiveness," said Dr. Eliot Phillipson, President and CEO of the CFI. "Investments like these have allowed the University of Alberta to become a destination of choice for some of the world's top research talent."

"This New Initiatives funding will help us recruit and retain the best and brightest research stars and to provide state-of-the-art equipment to advance their work."

— President Dr. Indira Samarasekera

Four U of A projects received funding under the CFI's New Initiatives Fund. Dr. David Evans, from the Department of Medical Microbiology and Immunology, has been awarded \$9,970,564 for the Alberta Institute for Viral Immunology. The goal of this pan-Alberta project is to learn how viruses cause disease and how the host immune system responds to prevent or contain the disease.

A grant of \$5,064,408 will go to Dr. Philip Halloran, also from the Department of Medical Microbiology and Immunology, toward the Alberta Transplant Applied Genomics Centre, already funded by Genome Canada/Genome Alberta.

Researchers in this lab are trying to find ways to help transplant patients to fight organ rejection and to extend those methods to understanding other disease states.

Dr. Thomas Stachel from the Faculty of Science will receive \$5,286,380 for the Canadian Centre for Isotopic Microanalysis. In this centre, Stachel's research team will investigate methods of mining diamonds and other mineral deposits while helping to reduce the environmental impacts of natural resource processing and consumption and enhancing Canada's competitiveness as a world supplier of hydrocarbon and mineral resources.

Dr. Frank Hegmann, also from the Faculty of Science, will receive \$1.2 million towards an Ultrafast Nanotools Laboratory. The infrastructure for his new research lab space will explore fast processes in nanomaterials and develop novel techniques for measuring the speed of nanodevices.

"We are excited to have this strong support from the foundation," said U of A President Dr. Indira Samarasekera. "This New Initiatives funding will help us recruit and retain the best and brightest research stars and to provide state-of-the-art equipment to advance their work."

Funding for these projects is part a major \$422,343,180 investment announced

today by the CFI to support 86 projects at 35 institutions across the country, an investment which marked the inauguration of two new CFI funds. A total of \$141,449,405 was awarded under the Leading Edge Fund (LEF), designed to enable institutions to build on and enhance already successful and productive initiatives supported by past CFI investment. Another \$183,429,964 million was awarded under the New Initiatives Fund (NIF), designed to enhance Canada's capacity in promising new areas of research and technology development. Finally, \$97,463,811 was awarded under the already existing Infrastructure Operating Fund, which assists institutions with the incremental operating and maintenance costs associated with the new infrastructure.

This latest round of funding announcements effectively ends the CFI's mandate, unless the Conservative government provides new funds in a budget next spring.

"These CFI investments in research infrastructure are essential to the support of the world-class, innovative research proposed for the approved projects and for the resulting advances in knowledge and the applications of that new knowledge into the future," said U of A Vice-President (Research) Dr. Bill McBlain. "On-going, future investments in research infrastructure will be equally essential if innovation is to continue in the years ahead and thereby keep Canada globally competitive in a number of key areas of research, development and economic productivity." ■



Dr. Phil Halloran holds a gene chip, one of the research projects conducted by The Alberta Transplant Institute Applied Genomics Centre, which recently received \$5,064,408 from the Canada Foundation for Innovation.

Academic plan passes finals

GFC approves plan

By Richard Cairney

The University of Alberta's new academic plan, Dare to Deliver, has been granted its final approval from the General Faculties Council. And it holds the promise of delivering hundreds of new professors, graduate students and new teaching strategies.

During the Nov. 28 GFC meeting, Provost and Vice-President (Academic) Dr. Carl Amrhein said the university is in discussions with the province to find a way to fund the hiring of 100 new professors per year for the next five years and to establish a graduate student scholarship fund similar to one offered in Ontario.

Asked by student representative on the council when students would begin to see the benefits of Dare to Deliver, Amrhein pointed out that some benefits, such as the establishment of the new Killam fund for social sciences and humanities research, and the Teaching and Learning Enhancement Fund, have already made a difference – and more will come.

The university is now in its budget planning process and some "exciting initiatives" are being discussed, he said. "I would expect that by the time you all go home for the summer you will either be convinced that we are very serious about this, or I will have a big problem on my hands."

Asked how the teaching environment will change, Amrhein said he foresees fewer large classes as new, fully supported professors are hired. Amrhein added that the university's teaching and research

activities will continue – that no one should expect "a rewriting of the foundations of the university." But he added that new initiatives under the heading of Discovery Learning have an impact that "accumulate over time and have the effect of moving the institution in one direction or another."

Dean of Arts Dr. Daniel Woolf said that the new Special Initiatives Fund will support changes in teaching and learning. His own faculty has submitted three proposals for funding which could stabilize its Community Service Learning program, help implement some recommendations of the university's Writing Task Force and a plan that will feature problem-based, interdisciplinary learning.

Planning for the document began in 2004, when Amrhein and Vice-President (Research) Dr. Gary Kachanoski joined forces to begin drafting the plan. The two carried out extensive consultations with students, faculty and staff.

Three U of A professors – Drs. Heather Zwicker, Renee Elio and Ken Zakariassen – then prepared a draft of the plan based on those submissions as well as a review of other university's academic plans and U of A task force reports.

Amrhein said the three went above and beyond the call of duty and the result is an academic plan "that truly arises from the academic community rather than being proclaimed from on high." ■



Provost and Vice-President (Academic) Dr. Carl Amrhein says the benefits of the Dare to Deliver academic plan have already made a difference, through initiatives like Teaching and Learning Enhancement Fund.

Top PhD plans to become children's writer

Governor General's Gold Medal winner eschews academia for literature

By Caitlin Crawshaw

Lindsey Carmichael is a self-described 'overachiever' who convokes today from the University of Alberta with a PhD in biological sciences and a Governor General's Gold Medal. But what she's planning to do next is raising eyebrows.

Carmichael is moving out of academia and into the world of children's book writing and plans to specialize in science writing for kids.

"I get a whole lot of 'Why are you in grad school?' and 'You want to do what? But you're so good at this!' both of which are pretty flattering and entertaining," said Carmichael, who has known for some time that she'd ultimately become a writer.

"I've done the science thing and really enjoyed it, but it's time to focus on the other side of my brain now."

She doesn't want to leave science entirely, but Carmichael says she just won't be following the "traditional career path" to become a professor. Instead, she plans to find a job in science that will afford her the flexibility to pursue a writing career.

Carmichael says she plans to write for kids since "especially in the middle grades and teenage years, there's so much character development that takes place."

"It's a fascinating stage of life to explore through writing," she said. "If you can convince kids that science is interesting, they'll keep that for their entire lives."

As a PhD candidate, Carmichael's research focused on the population genetics of wolves and arctic foxes. Carmichael used DNA finger printing techniques to study the structure of populations, as well as the genetic exchange between individuals and groups.

"It's the same methodology that's used by the RCMP and in CSI ... we just do dif-

ferent things with the data once we get it," she said.

Carmichael was initially drawn to this work, she says, after living in the North for three years during her teenage years.

Her outstanding scholarship has earned her a number of awards over her academic career, including the University of Alberta Dissertation Scholarship, the Andrew Stewart Memorial Graduate Prize, the Julie Payette-NSERC Research Scholarship, the Sir Izaak Walton Killam Memorial Scholarship and many other accolades.

"I've done the science thing and really enjoyed it, but it's time to focus on the other side of my brain now."

– Lindsey Carmichael

This year she has earned the Governor General Gold Medal, an honour she shares with neuroscience PhD graduate Jennifer Gelinas.

"I've always been a geek!" said Carmichael, attributing her success to years of good work habits and good genes.

"I've done ridiculously well, it's kind of embarrassing actually!" she said, with a chuckle. "But it really is gratifying to work that hard and be recognized for it."

At this year's fall convocation on Nov.22, Canadian astronaut Julie Payette and former broadcaster and U of A Board of Governors chair Jim Edwards received honorary degrees, both earning an Honorary Doctor of Laws. ■



After graduating from the U of A with a PhD, Lindsey Carmichael plans now to pursue a career in writing for kids, with a focus on science themes.

Bookish delights

Hobbyist rekindles art of bookmaking

By Zoltan Varadi

They say one should never judge a book by its cover – and Nelda Hinds might agree.

The administrative assistant for the U of A's Information and Privacy Office makes her own books. Leafing through her handiwork, you soon realize there's a lot more to a book than its cover, like the binding technique used – Secret Belgian, Coptic, Bound-over-tapes, etc. – the aesthetic of the customized pages and numerous other intricacies.

"I really like the creative aspect and just the personal satisfaction I get from making something by hand."

– Nelda Hinds

"Handmade books are quite diverse," said Hinds. "There are a lot of different ways you can make them. But if you think about hardcover books that you would buy at the bookstore, it is possible to make a book just like that by hand."

But all hand-made books are artworks, including the one where Hinds gutted an old encyclopedia and used the binding to house an ornate creation wherein each distressed page (i.e. crumpled and treated with wax, paint and ink) unfolds, accordion style, into a new design. On page one, a Francis Hodgson Burnett verse is printed out on a label maker. It is followed by collages and prints transferred from sources as diverse as a decorative napkin to a gravestone rubbing, as well as other unique touches such as a copper tab, customized pockets and even a mesh grate in the middle of one page.

Technically speaking, this offering is what Hinds and her fellow hobbyists refer to as an "altered-book" as it was created using the framework of an existing tome.

Hinds' handmade books proper – which she constructs from scratch – usually consist of crisp, blank white pages, ideal for journaling. In fact, it was just such an activity which got her into the game in the first place. Hinds explains that she was making a shared journal for a friend when, "I realized I didn't know what I was doing." This led her to investigate book-making by hand, which, as it turns out, is a popular endeavor worldwide, with many Internet groups sharing time-old techniques and swapping finished products.

For her part, Hinds has travelled throughout the province, as well as to art retreats in Port Townsend, New England, and Portland, Oregon (three separate visits to the latter, in fact) in the name of furthering her craft.

"The books I make at the moment are pretty simple," said Hinds, adding that she loves bound materials so much that at one point in her life she considered becoming a librarian. "I would estimate that they take about eight to 12 hours, but someday I'd like to learn more about it and make more detailed books that would take several weeks."

In the meantime, Hinds says her five-year-old hobby, which has netted in the creation of some 30 to 40 volumes, is a great stress reliever and good source for unique gift-giving.

"I really like the creative aspect and just the personal satisfaction I get from making something by hand." ■



Artisan Nelda Hinds and a sampling of her hand-made books.

Mount Kilimanjaro ascent a success

Staffer ascends Mount Kilimanjaro to test device

By Caitlin Crawshaw

Steve Sutphen is one of a lucky few people who can boast about gazing at Tanzania from the icy peaks of Mount Kilimanjaro.

"It was windy and sort of snowing (at the top) - the snow was being made while we were standing there and everything was getting covered in ice," said the Faculty Service Officer in the University of Alberta Department of Computing. Sutphen is involved with a team from the U of A and Capital Health that is developing a wireless wearable physiological monitor (WWPM).

Sutphen made the rugged journey the week of Oct. 28 - Nov. 10 primarily to give technical assistance to the Canadian Space Agency's Martin Lebeuf, who volunteered to wear the WWPM device during a climb to raise money for the Arthritis Society.

The watch-sized tele-health unit is designed to monitor vital signs and transmit them to a patient's doctor or health-care provider over the Internet. The device isn't designed for wilderness use, but a few modifications on Sutphen's part ensured that it successfully monitored both his and Lebeuf's vital signs as they ascended the 4,600-metre peak.

Sutphen used a satellite phone, powered by a battery pack instead of a plug-in, to transmit the data thousands of miles away to the central server at the U of A. Each day, for 15 minutes only in order to conserve power, Sutphen would transmit the information.



Steve Sutphen and his guide after summiting Mount Kilimanjaro in November.

The journey itself wasn't an easy one, Sutphen said. The slope of the mountain technically makes the trip a walk, and not a climb, but with little oxygen at the high altitude, and a damp climate, there were

times when the trip "turned sour," he said. What's more, much of the climbing happened at night.

"You start at night basically because the volcano up at the hardest parts is a

combination of volcanic ash - which is like sand - and snow and ice. In the middle of the night it freezes, mostly. And when you're walking on this stuff it's like wet sand, it's hard work. But when it's frozen it's solid."

The biggest danger to the ascent is the risk of altitude sickness, which poses a serious threat at that elevation. It's impossible to predict who will fall ill, so guides monitor climbers closely to watch for warning signs - like headaches - which can be a sign of brain swelling and requires immediate descent to lower altitudes.

"You're shepherded along quite well. The team that I was with was just to support me. There were five people in the team besides myself: there's a guide, there's a cook and three porters to carry the stuff," he said.

Sutphen says he only experienced very mild symptoms of altitude sickness, primarily loss of appetite, but knew of other climbers in different groups who didn't fare as well.

Despite the challenges, he made it to the top, as did Lebeuf, and the trip was a success. But for Sutphen, who has climbed mountains in his youth, summiting the mountain wasn't the real victory.

"The top was the top. To me that wasn't the high point," he said. "The high point was when I transmitted the data to Edmonton. By watching the lights on this gadget that I had, it looked like the data had gone through successfully." ■

Family is where the heart is

StudioTheatre production will warm audience on cold days, promises cast

By T.L. Reid

Sometimes you can come home again. For the MaGrath sisters, it might be the only place left: Meg's country singing is getting her nowhere, nobody remembered Lenny's birthday and sweet and innocent Babe just shot her husband.

Studio Theatre's production of *Crimes of the Heart*, opening Nov. 30, digs deep into a story about how one family struggles with its history.

"There's a lot of humour in it, and yet at the heart of it is quite a serious story," said director Kim McCaw. "It's a young woman who has shot her husband, and there's a suicide in the past in the family. Another person has come unhinged a little bit, and the eldest sister is very lonely and has never found the love of her life."

"There's a couple of love stories, there's a couple of people trying to get rid of demons from their past and they kind of succeed, it's got a happy ending," promised McCaw. "Like it or not, our family is an enormous influence on us, and so I think it's a play of recognition in some ways."

Crimes of the Heart, written by Beth Henley, is set in Hazelhurst, Mississippi in 1974. "It's the kind of town where everybody knows everybody, and you can't breathe without the whole world being in your business," said Tracey Leigh Campbell, who plays Babe. "I come from a small town, so I understand that."

Babe and her older sisters Lenny (Advah Soudack) and Meg (Amanda



Amanda Lisman as Meg and Advah Soudack as Lenny in *Crimes of the Heart*.

Lisman) have a chaotic relationship.

"Southern women are a whole different breed," said Campbell. "When I first read the play I thought it was a sweet play, not too deep. But the more we got into it the more we realized how rich and deep these characters are, and how much they love each other and would really do any-

thing for each other, even though for a lot of the play they're kind of at each others' throats."

As an intensely domestic play, most of action takes place in the kitchen. "There's running water and a working fridge and fully stocked kitchen cabinets and all of that," said McCaw. "We're really trying to

"Like it or not, our family is an enormous influence on us, and so I think it's a play of recognition in some ways."

— Kim McCaw

create a homey, friendly, recognizable family house and kitchen."

Then there's the famous Southern hospitality. "People drink Coke, they drink water, they make coffee and drink coffee," McCaw said. "They make lemonade from scratch and drink it, there are pecans that are crunched and eaten, apples, and then to top it all off, there's a birthday cake."

"It's funny, it's light, it's heart-warming, and it's just a beautiful story. Especially in the winter, when you're up to your knees in snow and it's cold, this is the kind of play that's going to warm your soul," said Campbell. "It will definitely perk everyone up when they're trying to get through midterms or finals."

Crimes of the Heart runs at the Timms Centre for the Arts from Nov. 30 to Dec. 9 at 8 p.m., with a \$5 preview performance on Nov. 29. There will be a pre-show chat before the Dec. 5 show, and there is one matinee performance on Dec. 7 at 12:30 p.m. Tickets (\$8-20) are available in advance from Tix on the Square, or from the Timms Centre for the Arts box office one hour before each performance. ■

U of A theatre community shines in new book

Theatre 100 honours most influential people in Alberta theatre history

By T.L. Reid

It was both a night at the theatre and a homecoming for those at the Edmonton Nov. 17 launch of *Theatre 100*, a book of the 100 most influential people in Alberta theatre history.

The list honours all aspects of theatre work but highlighted many educators with University of Alberta credentials and connections.

"I think it's fantastic just to stop and take stock," said Jan Selman, chair of the Department of Drama and one of the hundred honorees. "One of the things I really like is it goes right back to the roots, including U of A roots – the whole extension department and E.A. Corbett. They were so involved because in the earlier days there was no professional theatre, so there was no training for the professional theatre, which is a lot of what we do now."

"If you add up the list of who in the book comes from the U of A drama department, it would be quite phenomenal. Between everyone who's been a student or has taught, it's a very substantial number."

— David Barnett

In the beginning, grande dame Elizabeth Sterling Haynes was the Faculty of Extension's director of drama. She spent the much of the 1930s promoting drama in schools and communities all over Alberta. As support for theatre spread, Haynes and others were able to turn their attentions to developing professional theatre in the province.

"Alberta's a special place," said actor-director Tom Peacocke, who taught in the Drama Department for 36 years. "I was here with Bob Orchard and Mrs. Haynes

and all those people who motivated me to carry on the work. They gave a kind of dedication that has infiltrated everyone who works here. I feel really honoured."

One of the main themes of the night was the inextricable connections between all 'theatre folk' and the special role of educators. "You've got your children all over Canada and beyond," said Peacocke. "You never know what good or ill you have bequeathed to the rest of society, but I think most of it's been pretty good."

Theatre 100 was a centennial project by the Alberta Playwrights' Network (APN). APN executive director Ken Cameron said that finding connections between people was the most interesting part of the process.

"It's those connections that resulted in the foundation and the construction of the institutions," he said. "Our memories are so short that we have forgotten, really, that the people existed and we remember only the institutions in this day and age."

"One interconnection is the famous playwright Gwen Pharis Ringwood, whose play *Still Stands the House* is one of the most produced one-act plays in Canadian history, got involved in theatre because she was secretary to Elizabeth Sterling Haynes," said Cameron. "They went on, between the two of them, to found the Banff Centre."

David Barnett, founder of Catalyst Theatre, has taught in the Drama Department since 1972. "If you add up the list of who in the book comes from the U of A drama department, it would be quite phenomenal. Between everyone who's been a student or has taught, it's a very substantial number."

Barnett watched the projected photos of people he'd worked with, and kept pointing out connections between teachers, writers and directors. "Anybody who does anything does it because of the collective energy of those around them and the ideas that have been generated by other people. Really, the ideas are born of the community."



Jan Selman, chair of the U of A Department of Drama, was among those honoured in *Theatre 100*.

One notable omission from the list was actor, director and educator James DeFelice, who served on the jury and asked to have his name removed from consideration. "He has had such a powerful influence on art and on theatre in the city," said Cameron. "But I think that it was simply heartbreaking to him to have to make decisions about who could be in or who

could be out of it, so he thought he would make one more space in the book."

The Edmonton book launch was sponsored by the University of Alberta Bookstores, which are also sponsoring a playwriting festival in January. *Theatre 100: Celebrating 100 theatre practitioners over 100 years* is available at the bookstore or directly from APN. ■

Digital media research helps distance learning go further, faster

Alumnus helps fund multimedia chair

By **Ileiren Byles**

There's no reason why children the world over shouldn't have access to the same education opportunities, according to the University of Alberta's newest iCORE research chair.

"Digital media can significantly expand the reach and impact of education," said Dr. Anup Basu, a U of A professor who was appointed as the iCORE/Gautam Rao Industry Chair in Multimedia. "Greater use of this technology could help us reach out to many parts of the world where a Kindergarten to Grade 12 education is now only a dream."

Establishment of the chair will help Basu's research team focus on improving group and co-operative online learning experiences.

"Digital media can significantly expand the reach and impact of education.

Greater use of this technology could help us reach out to many parts of the world where a Kindergarten to Grade 12 education is now only a dream."

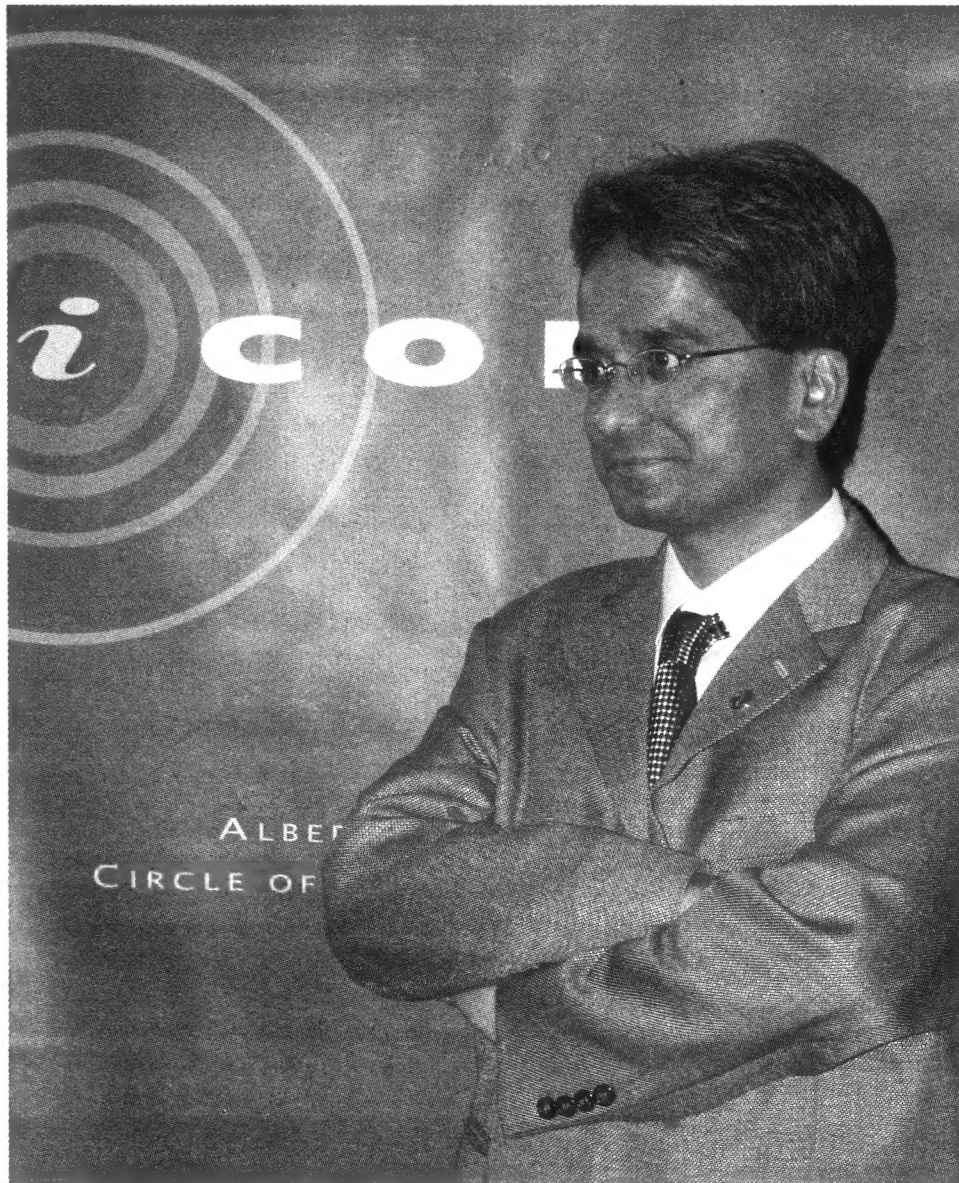
— Dr. Anup Basu

"In simple terms, we'd like to make multi-media adaptive testing available in the K-to-12 sector to anyone, any time and anywhere," Basu said. "We need to also look beyond our local interests. The technology we want to develop can be transferred anywhere. So somebody in Africa, in the desert, with a cell phone, should be able to access the same educational tools that we can have here."

The new research chair is supported by an iCORE Industry Chair Establishment grant of \$100,000 per year over five years. Castle Rock Research is also providing \$100,000 per year over five years.

"This was the perfect opportunity to invest in research, which will define assessment and evaluation in the future," said Gautam Rao, president of Castle Rock and a U of A alumnus.

U of A Dean of Science Dr. Gregory Taylor said a key strength of the Faculty of Science, where the research group will be located, is leadership in technology and knowledge transfer – the crucial last step in putting ideas to effective use.



Dr. Anup Basu has been appointed as the iCORE/Gautam Rao Industry Chair in Multimedia.

"We are finding innovative ways to partner with industry, the provincial government, and others to maximize the benefits of research through effective technology transfer," said Taylor. "Our alumni, like Gautam Rao, understand the value of research and understand the value partnerships like this bring to both industry and the university."

Castle Rock Research is an educational resource company that provides print and online curriculum-based resources to students, parents and educators across Western Canada. The company is both a financial partner and a tester of the research.

Basu's goal is to improve distance

learning and find ways for educators to use wireless technology to improve and deliver distance-learning opportunities.

"Distance and online learning play a vital role in supporting life-long learning by providing learners with flexibility and a broader range of program delivery options," said Dr. Bob Fessenden, deputy minister of Alberta Innovation and Science. "With further advances in extending Internet access across the world, and Dr. Basu's enhanced online learning capabilities, a Kindergarten-to-Grade 12 education may soon be possible for the seven million school-aged children displaced within their own countries due to conflict, and currently without access to education." ■

Researchers find wrinkles in human genome

Data updates HapMap project

By **Ryan Smith**

A team of international scientists, including researchers at the University of Alberta, have created a map of all the known human genomic variations discovered to this point.

The new map, recently published in the journal *Nature*, adds more detail to the HapMap project, which was an update of the original human genome map presented in 2003. Released in 2005, the HapMap project documented the genome sequences of 270 people of various ethnicities.

Researchers hope the new map will lead to a better understanding of the causes of many diseases, which will in turn lead to better treatments for them. Such is already the case for one of the variations, which was discovered on campus.

"We're often able to describe clinically what's wrong with the patient, but with genomics research we're now moving toward finding the root causes of the trouble."

— Dr. Martin Somerville

Dr. Martin Somerville and his research team discovered variation in a portion of chromosome 1 (1q21.1), which they've found in six Alberta and Saskatchewan families. Sometimes the variation does not correspond with any health defects, but other times it coincides with two distinct conditions: congenital heart defects and subtle changes in the eye lens. Other researchers have recently reported an association between this variation and mild to severe autism.

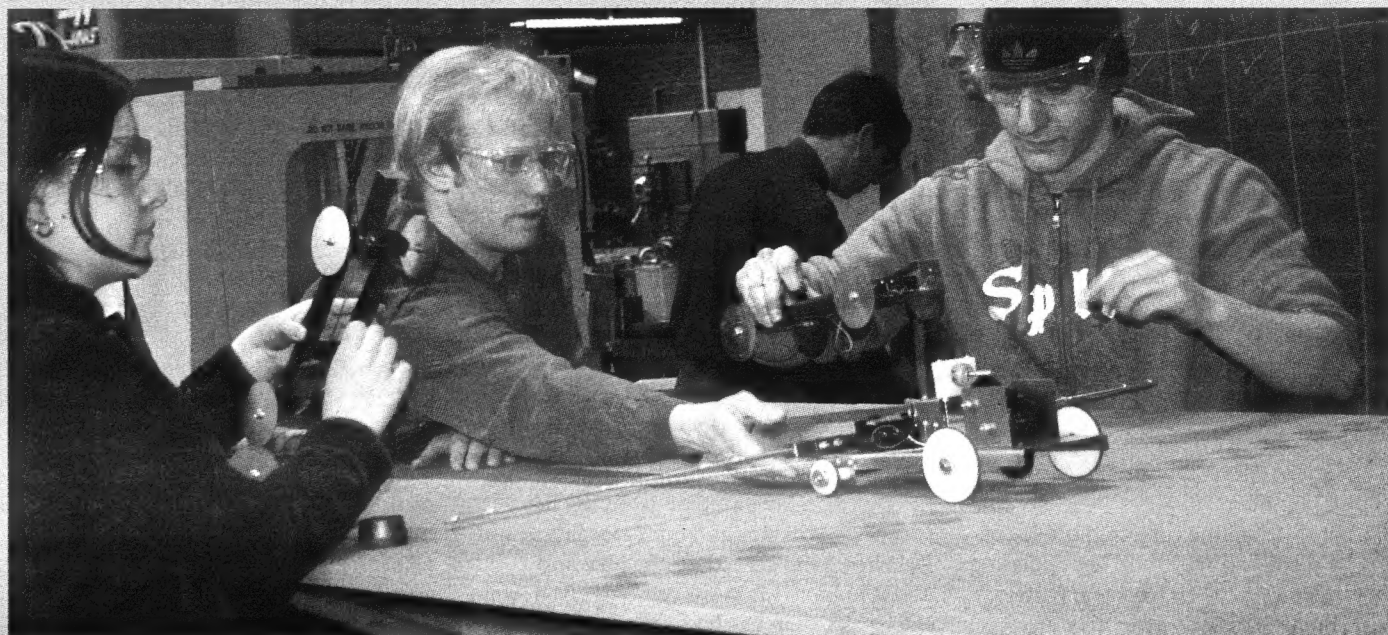
The primary heart defect that the variation signals is a blockage of the aorta. To complicate matters, the condition can also occur when the variation is not shown. The blockage can be managed surgically, but the surgery can lead to a variety of complications that, until recently, have been difficult for doctors to predict. However, when a patient has the condition and also demonstrates the 1q21.1 variation, doctors are now able to predict what complications are more likely to happen following surgery.

"Since we've been able to identify this variation we've been in a much better position to care for these patients," said Somerville, who is a co-author of the paper, director of the Molecular Diagnostic Laboratory at the Stollery Children's Hospital and a U of A professor of medical genetics.

Somerville likened the human genome to a 2.4 million-page book; each paragraph is a gene, and each letter is a DNA base. He said the discovery of the 1,447 genomic variations that researchers have discovered so far is like finding missing or duplicated pages in the book. He believes many more discoveries will be made in the future.

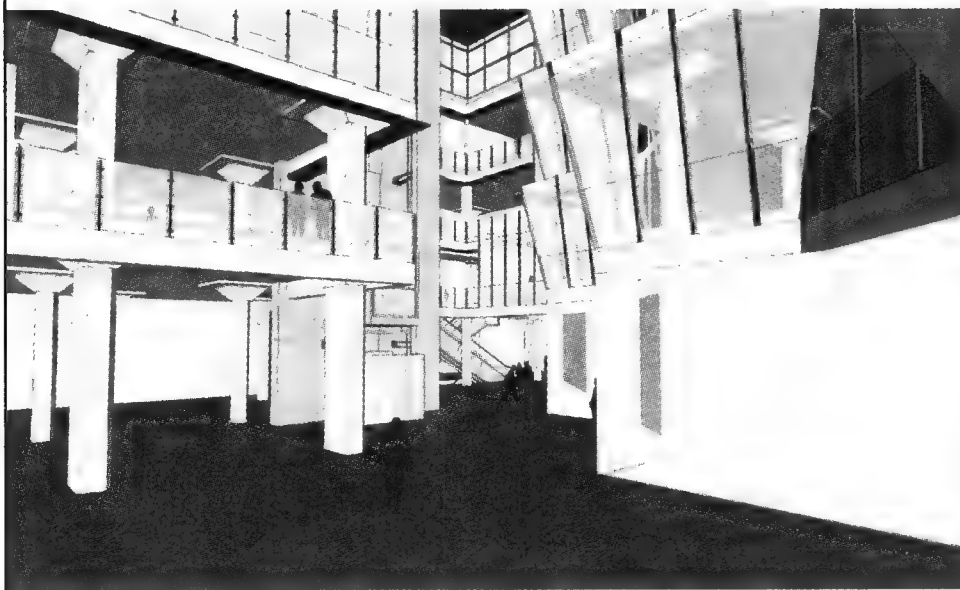
"I'm really excited about the prospects for genomic research," Somerville said. "We're often able to describe clinically what's wrong with the patient, but with genomics research we're now moving toward finding the root causes of the trouble. And, of course, once we find the causes it is a great step closer to finding the cures." ■

Robot wars



(From left to right) Siobhan Penzes, Kevin Adams and Mark Droessler prepare their autonomous vehicle for a Nov. 27 student competition as part of their Mechanical Engineering 260 course. The vehicles were designed and built by the students to resemble Mars rovers, and accomplish the task of depositing three "meteorological probes" on a surface resembling that of the planet.

Enterprise Square *update*



A rendering of the main level of Enterprise Square reveals the building's modern, open outlook.

Spotlight on: The Design Gallery

By Caitlin Crawshaw

A new space at Enterprise Square offers new opportunities for design students at the University of Alberta.

The Design Gallery is one of 11 tenants moving into the U of A's downtown campus in 2007, and will be situated on the building's main level. The 2,500-square foot area will house the work of undergraduate and graduate design students in both the industrial design and visual communication design streams.

"What we're really excited about is the opportunity to basically take the academic function of the university and put that out into the community," said Dr. Betsy Boone, chair of the U of A Department of Art and Design.

Design is a broad, interdisciplinary field, says Boone, and the Design Gallery will showcase this diversity with 12 different exhibitions each year. Proposed projects include: designs focused on tools to help an aging population, a collaboration with medical students to explore how visual communication can convey messages of healthy living, and an exhibit of design periodicals from 1880-1950.

Boone explained that students will also have the opportunity to learn installation design skills, as they will be setting up the exhibitions as well.

"It definitely is going to give students the chance for hands-on, discovery-based learning," said Boone. ■



**Enterprise
Square**
University of Alberta

Risks hold little weight when it comes to bad behaviour

People know the facts but don't change their ways, says study

By Bev Betkowski

Why do we ignore public warnings about the dangers of smoking, drinking alcohol, overeating, stressing out, and persist in habits and behaviours that we know aren't good for us?

A University of Alberta researcher says we aren't getting at the underlying reasons of why we persist in bad habits or risky behaviour.

In two recent case studies asking people to rate the danger of various types of risks including lifestyle habits, it was clear that subjects understood what types of behaviour are the riskiest, but that knowledge wasn't enough to motivate them to change their ways, said Dr. Cindy Jardine, a professor of rural sociology at the U of A.

"The results showed that in fact, people have a very realistic understanding of the various risks in their lives. We as risk communicators - scientists, academics, government agencies - have to get beyond the thought of 'If they only understood the facts, they'd change.' They do understand the facts, but we need to look at other factors we haven't been looking at before."

Jardine presented her findings recently at the RiskCom 2006 Conference in Sweden.

In the first case study conducted by Jardine, 1,200 people in Alberta were surveyed in both 1994 and 2005. Lifestyle habits like cigarette smoking, stress and sun-tanning were ranked as the top three risks, considered more dangerous to the Alberta public than technology or pollution hazards such as chemical contamination, ozone depletion and sour gas wells. Cigarette smoking was ranked as "very dangerous" by 53 per cent of those surveyed in 1994 and by 60 per cent of the respondents surveyed in 2005. Stress was ranked as "very dangerous" by 54 per cent of the people in 1994 and by 65 per cent in 2005. In contrast, sour gas wells were ranked as "very dangerous" by only 24 per cent of the people in 1994 and by 28 per cent in 2005.

The second case study, involving a survey conducted in two northern aboriginal communities in Canada revealed similar results. Again, lifestyle risks were seen as the most hazardous. Almost everyone in the communities ranked risk associated with alcohol use (96 to 100 per cent of the respondents) and smoking (80 per cent of respondents) as "very dangerous." Risks associated with trace contaminants and doing traditional activities in a harsh environment were ranked as less risky.

When asked about personal and community health issues, the respondents in the second survey freely acknowledged that they knew about the hazards of risky behaviour, such as choosing to drive while impaired, second-hand cigarette smoke and Fetal Alcohol Syndrome, when unborn babies are damaged by their mothers' alco-

hol consumption.

"So they know alcohol is bad, but risk communicators aren't looking at the underlying reasons why people drink - poverty, unemployment, the history of abuse in some of these families. If we could get to the underlying issues of what turns people to drink, we would do better in fully understanding the context of their lives," Jardine said. "If we're just telling people what we know about the health risks, chances are we aren't going to solve any problems."

Factors such as the need for social acceptance and plain old human defiance play roles in persistent bad habits, the study suggests.

"We need to listen more to the things that really concern people and to look at social norms and why they are starting to dictate our actions. We as a society have to rethink and challenge those norms."

- Dr. Cindy Jardine

"We get a sense of belonging that is important to us. We can see ourselves as part of a social structure; it's very hard to change a behaviour if it is still accepted socially," Jardine said. "For instance, stress is bad for us, yet we wear it as a badge of honour. It is seen as a socially desirable thing to be overworking. We don't seem to have the same respect for people who work a 40-hour week."

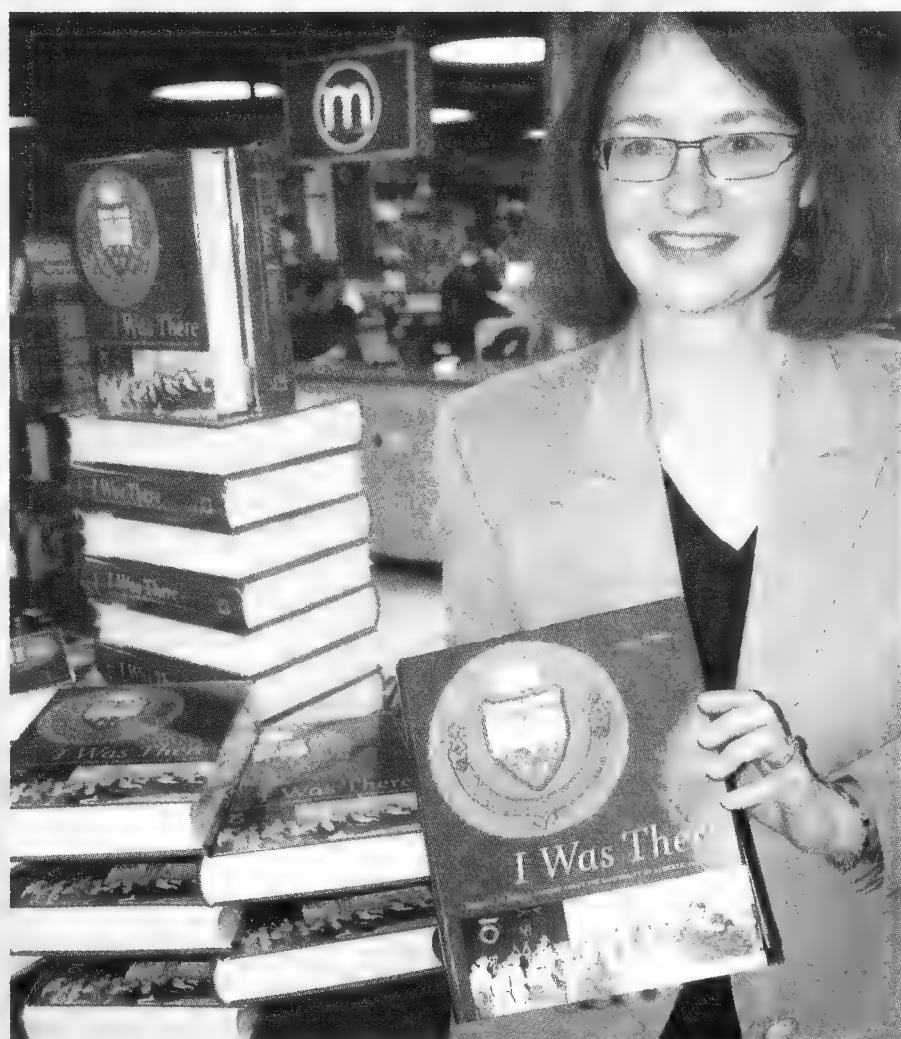
As well, we don't like to hear about what we shouldn't be doing, so we rationalize our bad habits, Jardine said. "We all have a bit of recalcitrant child in us. We keep smoking with the excuse 'It hasn't hurt me so far,' or 'It helps control my stress or weight.'"

Until the psychology behind risky behaviour is really understood, people won't give up their vices, no matter how much they know, Jardine said. She suggests researchers and other risk communicators need to talk to the people they're trying to reach, before forming messages.

"We need to listen more to the things that really concern people and to look at social norms and why they are starting to dictate our actions. We as a society have to rethink and challenge those norms."

The studies were supported in part by funding from Health Canada, the Social Sciences and Humanities Research Council and the Eco-Research Chair in Environmental Risk Management. ■

She was here



Caitlin Crawshaw

Ellen Schoeck made an appearance at the U of A Bookstore on the afternoon of Nov. 21 to sign copies of her new book, *I Was There: A Century of Alumni Stories About the University of Alberta*.

folio on the Web

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talks & events

Submit talks and events to Lorraine Neumayer by 12 p.m. Thursday one week prior to publication. **Folio Talks and Events listings do not accept submissions via fax, mail, e-mail or phone. Please enter events you'd like to appear in Folio and on ExpressNews at: <http://www.uofaweb.ualberta.ca/events/submit.cfm>.** A more comprehensive list of events is available online at www.events.ualberta.ca.

UNTIL JAN 12 2007

Alan Blizzard Award The Alan Blizzard Award was developed by the Society for Teaching and Learning in Higher Education (STLHE) to stimulate and reward collaboration in teaching, and encourage and disseminate the scholarship of teaching. The award is given to collaborative projects that increase the effectiveness of student learning. The deadline to submit applications to STLHE for the Alan Blizzard Award is January 12, 2007. The application form is available at <http://www.mcmaster.ca/stlhe/awards/alan.blizzard.award.html>. Inquiries may be directed to Aline Germain-Rutherford, Alan Blizzard Coordinator, STLHE, at agermain@uot-tawa.ca. As well, you may contact Bobbi Schiestel, Faculty Awards Facilitator, Academic Awards and Ceremonies, at 492.2644 or via email at bobbi.schiestel@ualberta.ca for more information and assistance. <http://www.mcmaster.ca/stlhe/awards/alan.blizzard.award.html>

UNTIL APR 10 2007

Graduate Student Support & Strategy Group (GS3G) Offers grad students a comfortable and supportive environment to: Discuss concerns/challenges/experiences related to being a grad student (e.g., supervisory relationships, conducting research, teaching, thesis writing, defense preparation?) Develop effective problem-solving and coping strategies related to these areas Share and hear about other students experiences? Individuals will not be able to attend without meeting with the facilitator prior to the group. If you wish to RSVP online and choose to leave your phone number and/or e-mail address, we will contact you to schedule an appointment with the facilitator for a pre-screening appointment. If you choose to RSVP online with only your name, please contact Student Counselling Services to book an appointment. Register By: Ongoing 2:30 - 4 p.m. 2-600 Students' Union Building (SUB) <http://www.uofaweb.ualberta.ca/counselling/gs3g.cfm>

UNTIL DEC 22, 2006

HUB Mall's HO! HO! HO! Scholarship Promotion Enter to win one of two \$350 scholarships courtesy of HUB Mall! PLUS, one of three \$150 gift certificates for Hudsons on Campus. Simply bring a new toy for Santas Anonymous or a non-perishable item for the Campus Food Bank, and you will receive an entry form to win! Each donation allows you an entry form—the more the merrier! Contest open to all full time UofA students. Call 492-5609 for details. <http://www.ualberta.ca/hubmall/events>

UNTIL DEC 9 2006

Studio Theatre Production: Crimes of the Heart By Beth Henley Directed by Kim McCaw babe shoots her husband. She didn't like his looks. Studio Theatre heads South with Beth Henley's Crimes of the Heart - a compassionate look at good people who make bad choices; exploring life gone ridiculously wrong in Mississippi. Piling up crisis after crisis with a generous, warm and insightful sense of humour, the Pulitzer Prize Winner (1981) Crimes of the Heart plays at the University of Alberta's Timms Centre for the Arts (87 Avenue & 112 Street), Nov. 30 – Dec. 9. Evening performances of Crimes of the Heart run Nov. 30 – Dec. 9 at 8 p.m., with a \$5 Preview performance Wednesday, November 29 at 8 pm. A pre-show chat will take place on Tuesday, Dec. 5 at 7:15 p.m. in the lobby of the Timms Centre and a Matinee performance is scheduled for Thursday, Dec. 7, at 12:30 pm. There is no show Sunday, Dec. 3 Tickets are on-sale now, available for \$8 to \$20, at TIX on the Square in person at Sir Winston Churchill Square Interpretive Centre, by phone at (780) 420.1757, and online at www.tixonthesquare.ca. Walk-up tickets are available one hour before each performance at the Timms Centre for the Arts box office. 8 p.m. Timms Centre for the Arts <http://www.uofaweb.ualberta.ca/drama/studiotheatre.cfm>

DEC 1 2006

Everyday Computing Basics A learning experience especially designed for our senior alumni. Learn the basics of computer use, get on-line to get in touch with friends, shop or do your banking online, and learn about digital cameras and how to edit digital photos. We have the computer course for you. Open to all Alumni, Friends and Family. (see our website for all course dates, details and costs) MSN Messenger 10 a.m. - 12 p.m. Instant messaging is a fast, convenient and simple way to communicate with one or more people online in real-time. Word Processing 1 - 3 p.m. An introduction to word processing using Microsoft Word, covering basic formatting, saving and printing documents. 10 a.m. - 3 p.m. B-11 Cameron Library <http://www.uofaweb.ualberta.ca/alumnieducation/nav01.cfm?nav01=33318>

Distinguished Visiting Guest Lecturer Dr. Lesley Day, Senior Research Fellow, Accident Research Centre, Monash University (Australia), will present a seminar entitled "Farm injury risk among men: Methodological challenges and preliminary results from a case-control study of farm injury." 11 a.m. - 12 p.m. 2-117 Clinical Sciences

Assessing the phylogenetic structure of species diversity at global, regional, and local scales (with examples from Primate assemblages of national parks) Stephen Heard, Department of Biology, University of New Brunswick is presenting a seminar on "Assessing the phylogenetic structure of species diversity at global, regional, and local scales (with examples from Primate assemblages of national parks)" 12 p.m. <http://www.biology.ualberta.ca/courses/biol631/index.php?Page=4937>

World AIDS Day Panel Discussion Please join us for a lively discussion of the medical, social and political aspects of AIDS. Refreshments (in the form of red ribbon cookies) will be available! 2 - 3 p.m. 281 Central Academic Building

Physics Colloquium Physics Colloquium Title: "Table top" particle accelerators using high intensity laser produced plasmas Speaker: Professor Karl Krushelnick University of Michigan, Ann Arbor. Abstract: Over the past few years there has been a revolution in the use of ultra-high intensity laser pulses to accelerate particle beams. In particular, in 2004 it was discovered that very low energy spread (< 5%), low emittance, relativistic electron beams could be produced from the interaction of a short pulse (40 fsec) laser beam with a low density helium plasma. These initial results demonstrated acceleration to more than 100 MeV over a distance of only 1 mm! Recently it has been shown that this technique can be used to generate beams of up a GeV over an acceleration distance of 3 cm. Partly as a consequence of this research many new higher power laser facilities are under construction throughout the world. The outlook for this research will be discussed as well as prospects for applications of these beams. *Coffee and cookies will be available at 3 p.m. in CEB 3-21. Department colloquia are intended to benefit all students and students 3:15 - 4 p.m. 3-21 CEB <http://www.phys.ualberta.ca/>

Opening the Secret Garden: Mary Schäffer's 1911 Survey of Maligne Lake and the Jasper Presented by Drs. PearlAnn Reichwein and Lisa McDermott of the Faculty of Physical Education and Recreation. Mary T.S. Schäffer (1861-1939) surveyed Maligne Lake, the largest lake in the Canadian Rockies in 1911. This presentation offers a rare chance to view some of the photographs featured in Schäffer's public lantern-slide shows, along with unusual maps and discoveries from the archives. Reception to follow. Everyone welcome! 3:30 - 4:30 p.m. E-121 Physical Education and Recreation Centre, Van Vliet

Pandas Basketball Pandas vs. Lethbridge 6 p.m. Main Gym Physical Education and Recreation Centre, Van Vliet www.cubsclub.ualberta.ca

Bears Basketball Bears vs. Lethbridge University 8 p.m. Main Gym Physical Education and Recreation Centre, Van Vliet www.cubsclub.ualberta.ca

University of Alberta Concert Choir University of Alberta Concert Choir Debra Cairns, Conductor John Scott, Assistant Conductor Jonathan Hamill, accompanist Songs of the Evening, Spirit, and the Season Program will include works by Bruckner, Rheinberger, Schumann, Bevan 8 p.m. Arts and Convocation Hall <http://www.ualberta.ca/music>

DEC 2 2006

Pandas Volleyball Pandas vs. Calgary 2 p.m. Main Gym Physical Education and Recreation Centre, Van Vliet www.cubsclub.ualberta.ca

Seeing Double: What - If Anything - Do We Need to Know in Order to Appreciate Artworks? Guest Scholar: Dr. Amy Schmitter, Associate Professor, Philosophy Moderator: Dr. Martin Tweedale, Professor Emeritus, Philosophy 2 - 3:30 p.m. <http://www.uofaweb.ualberta.ca/publicaffairs/philosopherscafe.cfm>

Pandas Basketball Pandas vs. Lethbridge 6 p.m. Main Gym Physical Education and Recreation Centre, Van Vliet www.cubsclub.ualberta.ca

Happnin': The UofA Jazz Choir - FALL CONCERT Happnin's annual Fall Concert featuring accompanied and acapella ensemble works as well as solo and small ensemble selections. 7 - 10 p.m. <http://www.ualberta.ca/~happnin>

Bears Hockey Bears vs. Calgary 7:30 p.m. Clare Drake Arena Physical Education and Recreation Centre, Van Vliet www.cubsclub.ualberta.ca

Bears Basketball Bears vs. Lethbridge University 8 p.m. Main Gym Physical Education and Recreation Centre, Van Vliet www.cubsclub.ualberta.ca

Festival of Lights: Music and Dance of India Festival of Lights: Music and Dance of India U of A Indian Music Ensemble Faculty Amie Maciszewski, Director - sitar Seema Ganatra - sitar Sharmila Mathur - sitar Ojas Joshi - tabla Indian Music Ensemble Members Niyati Dhokai - violin Meera Varghese ? Bharat Natyam dance Jeevan Patel - tabla Special Guests Kamaljit Bajwa - Hindustani vocal Rohan Bhogal ? tabla 8 p.m. Arts and Convocation Hall <http://www.ualberta.ca>

DEC 3 2006

Pandas Volleyball Pandas vs. Calgary 2 p.m. Main Gym Physical Education and Recreation Centre, Van Vliet www.cubsclub.ualberta.ca

University of Alberta Concert Band University of Alberta Concert Band Wendy Grasdahl, Director H.R.H. The Duke of Cambridge: Malcolm Arnold Moorside Suite: Gustav Holst, arr. Gordon Jacob Resurgam: Eric Ball, arr. Geoffrey Brand Fugue a la Gigue: J S Bach, arr. Gustav Holst Colonial Song: Percy Grainger Pineapple Poll: Arthur Sullivan, arr. Mackerras/Duthoit 3 p.m. Arts and Convocation Hall <http://www.ualberta.ca/music>

University of Alberta Madrigal Singers with Alberta Baroque Ensemble University of Alberta Madrigal Singers with Alberta Baroque Ensemble Leonard Ratzlaff, Conductor Paul Grindlay, bass Russell Whitehead, trumpet Christmas Concert Suite for Tumpet in D Major: Handel Das Neugeborne Kindelein: Buxtehude Magnificat: Leo Christmas Arias: Bach At 3 p.m. and one at 7:30 p.m.

DEC 4 2006

Breakfast Roundtables: Support Staff, APOs & Dr Samarasekera President Samarasekera invites University of Alberta Support Staff and APOs to join her for breakfast and an open discussion on issues of interest to the participants. Please note that registrations are no longer being accepted for this event as it is now at capacity. 7:30 a.m. <http://www.president.ualberta.ca/nav01.cfm?nav01=49877&CFNoCache=TRUE>

Music at Noon, Convocation Hall Student Recital Series Music at Noon, Convocation Hall Student Recital Series Featuring students from the Department of Music 12 p.m. Arts and Convocation Hall <http://www.ualberta.ca/music>

Faculty Recital Faculty Recital Bianca Baci, piano with Murray Vaasjo, violin Ian Woodman, cello Theme and Variations in F Major, Op 73 for Piano, Violin and Cello: Anton Arensky Sonata in G Minor for Cello and Piano, Op 19: Serghei Rachmaninoff Trio in E Minor for Violin, Cello and Piano, Op 67, No 2: Dmitri Shostakovich 7:30 p.m. Studio 27 Fine Arts Centre <http://www.ualberta.ca/music>

Grant MacEwan College/University of Alberta Jazz Bands Grant MacEwan College/ University of Alberta Jazz Bands Raymond Baril and Tom Dust, Directors 7:30 p.m.

DEC 5 - 23 2006

Ike Bushman : Science = Magic This exhibition is the final visual presentation for the degree of Master of Fine Arts in Printmaking. The opening Reception will be held at the Fine Arts Building Gallery on Dec. 7, 7 to 10 p.m. The event is free and everyone is welcome to attend. Room 1-1 Fine Arts Building Gallery

DEC 5 2006

TBA Ms. Elizabeth Orr, Department of Biological Sciences, University of Alberta is presenting a seminar that is "TBA". 12 p.m. <http://www.biology.ualberta.ca/courses/biol642/index.php?Page=4962>

NSERC Chair in Petroleum Thermodynamics - John M. Shaw The Faculty of Engineering at the University of Alberta is pleased to announce the collaboration with industry and government agencies on the second term of the NSERC Industrial Research Chair in Petroleum Thermodynamics held by Dr. John M. Shaw in Chemical and Materials Engineering. Please join us in celebrating these exciting new partnerships with by Shell Canada Ltd., Nexen Inc., Imperial Oil Resources, Kellogg Brown and Root LLC, Conoco Phillips Canada Inc., Alberta Energy Research Institute (AERI), and Natural Sciences and Engineering Research Council of Canada (NSERC). Speakers: David Lynch, Dean of Engineering NSERC Representative Michael W. Ekelund, Assistant Deputy Minister, Oil Development Division, Alberta Department of Energy R. Gary Kachanoski, Vice President (Research), University of Alberta Ron D. Myers, Senior Research Advisor, Imperial Oil Resources John M. Shaw, NSERC Industrial Research Chair in Petroleum Thermodynamics 4 - 6 p.m. Solarium Engineering Teaching and Learning Complex (ETLC)

University Symphony Orchestra University Symphony Orchestra Michael Massey, Conductor

Das Knaben Wunderhorn Symphony No 4: Mahler 8 p.m. Arts and Convocation Hall <http://www.ualberta.ca/music>

DEC 6 2006

Public Health Sciences Grand Rounds Dr. Carolyn Green, Postdoctoral Fellow, Health Policy and Management, Department of Public Health Sciences will present a seminar entitled "Investigating Knowledge Translation in Chronic Disease Management. 12 p.m. - 1 p.m. 2-117 Clinical Sciences <http://www.phs.ualberta.ca/>

Electroacoustic Music Concert Electroacoustic Music Concert Introduction to Music Technology (Music 245) 8 p.m. Studio 27 Fine Arts Centre

DEC 7 2006

Retiring with a Focus and a Plan Health Promotion and WorkLife Services Presents a two-day workshop for academic staff who are considering retirement. These interactive workshops will address issues of aging and retirement so that you will learn how create an effective retirement plan. You must register for, and attend both sessions. Thursday November 30, 2006 and Thursday, December 7, 2006. Register online at www.learningshop.ualberta.ca 9 a.m. - 12 p.m. <http://www.learningshop.ualberta.ca>

Lunch by the Books: What Can Happen When Communities and Universities Work Together? Jeff Bisanz, Psychology Lunch by the Books is a free noon-hour learning series Presentations run from 12:05:12:50 pm Six years ago, people from Edmonton community organizations and from the University of Alberta joined to establish the Community-University Partnership for the Study of Children, Youth, and Families (CUP). See how the growth of this partnership demonstrates what can happen when communities and universities work together. All are welcome! Bring your lunch! Lunch by the books is presented by the Faculty of Arts & the Edmonton Public Library. <http://www.uofaweb.ualberta.ca/arts/LunchbytheBooks.cfm>

Applying for Alberta Ingenuity Industrial Associateships Speakers from Alberta Ingenuity will share information and application tips on the AI Industrial Associateships. Representatives from RSO will also go over internal application procedures. MSc or PhD students in their final year of graduate studies who are interested in working in Alberta Industry should attend this information session. Please register in RSO's section of the Learning Shop. If you are new to the Learning Shop, you will be asked to create an account. If you have registered for Learning Shop workshops previously, you would have been sent a login ID (your e-mail address) and a password at the beginning of September. Follow instructions on the registration screen to login, create and account, or change your password. If you are having trouble registering, please contact Nikki Van Dusen at 492-0231. 10 a.m. - 11 p.m. E2-002 Engineering Teaching and Learning Complex (ETLC) <http://rsoregistration.ualberta.ca>

Applying for Alberta Ingenuity Scholarships Speakers from Alberta Ingenuity will share information and application tips on the AI Scholarships. Representatives from RSO will also go over internal application procedures. Undergraduate students in their final year, MSc and PhD students in their first year of graduate studies and professors recruiting graduate students should attend this information session. Please register in RSO's section of the Learning Shop. If you are new to the Learning Shop, you will be asked to create an account. If you have registered for Learning Shop workshops previously, you would have been sent a login ID (your e-mail address) and a password at the beginning of September. Follow instructions on the registration screen to login, create and account, or change your password. If you are having trouble registering, please contact Nikki Van Dusen at 492-0231. 11 a.m. - 12:30 p.m. E2-002 Engineering Teaching and Learning Complex (ETLC) <http://rsoregistration.ualberta.ca>

Lunch & Learn: Want to learn about an effective tool for promoting your career? Learn how to create and use a personal portfolio to achieve your career goals. These sessions are free for all UofA staff. Register online at www.learningshop.ualberta.ca 12 p.m. - 1 p.m. CAB 269 Central Academic Building <http://www.learningshop.ualberta.ca>

Library Resources and E-Learning: A Workshop for Faculty, Instructors and E-Learning Staff How can you integrate Web 2.0 tools and other new software to serve your research, teaching, and online course needs? In this new workshop of the Library Resources and E-Learning series, the Library and AICT's E-learning Group will cover tips for RSS feeds, social bookmarking, academic search engines, and Elluminate (the web-based conferencing/collaboration software). 1:30 - 3:45 p.m. <http://www.library.ualberta.ca/elearning/>

Condition Monitoring and Damage Assessment of Oil Sands Equipment Ming J Zuo Department of Mechanical Engineering University of Alberta. Reliable operation of oil sands equipment is essential for efficient production of energy. Critical oil sands equipment includes mining shovels, trucks, crushers, conveyors, gearboxes, pumps, and pipelines. Condition monitoring and signal processing is an effective means of non-intrusive assessment of the health condition of running oil sands equipment. Th3:30 - 4:30 p.m. 2-3 Mechanical Engineering <http://www.uofaweb.ualberta.ca/mece/departmentsseminars.cfm>

Frankenfood, or, Fear and Loathing at the Grocery Store Professor Jennifer Welchman Department of Philosophy University of Alberta 3:30 p.m. HC 4-29 Humanities Centre <http://www.uofaweb.ualberta.ca/philosophy>

Lecture on Teaching Ukrainian to foreign students in Ukraine Danuta Mazuryk, Preparatory School for Foreign Students, Ivan Franko National University of Lviv, will speak on "Teaching Ukrainian to Foreign Students: Issues and Approaches." The lecture will be given in Ukrainian. 3:30 p.m.

"Family Feeling": The Rise and Fall of Anti-Family Politics Inside/OUT 2006/2007 Speakers Series Profiling LGBTQ-Related Work at the University of Alberta Family Feeling: The Rise and Fall of Anti-Family Politics Presenter: Dr. Cindy Patton, Canada Research Chair in Community, Culture and Health, and Professor of Sociology/Anthropology and Women's Studies, Simon Fraser University, British Columbia. Gay marriage-activism has provoked debate between gay liberationists and proponents of gay marriage as a form of civil right. Many activists are concerned about the form that gay marriage politics have taken, but

are nonetheless deeply moved by, for example, the recent wedding of the gay mounties. This talk employs a little-known work on family feeling by Pierre Bourdieu to offer an account of the affective changes that occurred or did not occur from the original ambitions of the gay liberation movement to the present. While ultimately critical of gay marriage activism, Patton suggests where there might be common ground for reconnecting the 1970s anti-family activism with contemporary post-marriage politics. Cindy Patton holds the Canada Research Chair in Community Culture and Health at Simon Fraser University in British Columbia. Inside/OUT is designed to provide a safe and confidential space on the university campus for LGBTQ persons and their allies to network, socialize, and have fun in a supportive and welcoming environment. For more information regarding Inside/OUT, please contact Kristopher Wells or Marjorie Wonham or visit <http://www.mailman.srv.ualberta.ca/mailman/listinfo/inside-out> to join the confidential Inside/OUT listserv. University of Alberta Bookstores, CJSR FM88, and the Department of Educational Policy Studies. 5 - 6 p.m. 7-152 Education North Education Centre <http://www.uofaweb.ualberta.ca/education/pdfs/InsideOUT200607SpeakersSeriesPoster.pdf>

DEC 12 2006

Lunch & Learn: Healthier Holiday Baking Want to learn how to bake healthier holiday goodies? Learn how you can trim harmful fats from your holiday baking by using canola oil. These sessions are free for all UofA staff. Register online at www.learningshop.ualberta.ca 12 p.m. - 1 p.m. Heritage Lounge Athabasca Hall <http://www.learningshop.ualberta.ca>

Pesky Raging Grannies: Speak Truth to Power with Humour and Daring Carole Roy holds a Ph.D. in Adult Education, from University of Toronto, Canada. She is currently completing a post-doctoral program at Trent University, as part of the "Hidden Costs/Invisible Contributions" Research Program, Human Ecology Department. Carole Roy is the author of The Raging Grannies: Wild Hats, Cheeky Songs, and Witty Actions for a Better World. This book has been awarded the Amelia Bloomer Project. Dr. Roy will discuss her work with the Raging Grannies and her research interests in older women environmental activists. 12 - 1 p.m. Room 305 HumanEcol. Bldg. Human Ecology

DEC 13 2006

Alberta Injury Control Teleconference Dr. Roger Palmer, Interim Dean, School of Public Health, University of Alberta will present a seminar entitled And now something completely different. To register for this teleconference, please refer to the contact information shown below. Month-to-month subscriber rates for the teleconference are \$20.00 (\$25.00 for out of province). Port reservations must be made in writing (by fax) no less than 48 hours prior to the schedule teleconference. 9 - 10 a.m. 4070-A Research Transition Facility www.med.ualberta.ca/acicr

Public Health Sciences Grand Rounds Dr. Joan Benach, University of Pompeu Fabra, Barcelona, Spain will present a seminar entitled Social Inequality and Health. 12 - 1 p.m. 2-117 Clinical Sciences <http://www.phs.ualberta.ca>

Year-End Open House Season's Greetings! The staff at the Research Services Office (RSO) and the Research Ethics Office (REO, formerly the Office

of Research Certifications and Approvals (ORCA)) would like to invite you to share a little festive cheer with us at our year-end open house. Come on over to Campus Tower and get to know your Faculty contacts and share some holiday refreshments with us. No RSVP is required, but if you'd like more information, please contact Nikki Van Dusen (2-0231) or Jaleen Lessard (2-1483). We hope to see you on 3 - 4:30 p.m. 218/222 Campus Tower

DEC 14 2006

AWA Seasonal Gathering AWA members are invited to an informal Seasonal Gathering wine & cheese event at the Faculty Club. Join us! RSVP to wendy.wisner@afhe.ualberta.ca. AWA membership info: <http://www.ualberta.ca/~awa/index.htm>. 4:30 - 6:30 p.m. Papaschase Room Faculty Club <http://www.ualberta.ca/~awa/news.htm>

DEC 20 2006

Lunch & Learn: Yoga-- Choose Your Style. Are you thinking of trying yoga, but aren't sure which style might be right for you? Learn about the different types of yoga, choosing an instructor and yoga class etiquette. These sessions are free for all UofA staff. Register online at www.learningshop.ualberta.ca 12 - 1 p.m. Heritage Lounge Athabasca Hall <http://www.learningshop.ualberta.ca>

DEC 22 - 23 2006

Pandas Hockey Pandas Christmas Tournament 12 - 1 p.m. Clare Drake Arena Physical Education and Recreation Centre, Van Vliet www.cubsclub.ualberta.ca

positions

The records arising from this competition will be managed in accordance with provisions of the Alberta Freedom of Information and Protection of Privacy Act (FOIPPA). The University of Alberta hires on the basis of merit. We are committed to the principle of equity of employment. We welcome diversity and encourage applications from all qualified women and men, including persons with disabilities, members of visible minorities, and Aboriginal persons. With regard to teaching positions: All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority. For complete U of A job listings visit www.hrs.ualberta.ca.

HEAD, HUMANITIES AND SOCIAL SCIENCES (HSS) LIBRARY UNIVERSITY OF ALBERTA LIBRARIES

The University of Alberta Libraries (www.library.ualberta.ca), Canada's second largest research library, seeks outstanding candidates for the position of Head, Humanities and Social Sciences (HSS) Library. Reporting to the Director of Library Services and Information Resources, the Head of the Humanities and Social Sciences Library takes responsibility for the operations of the HSS Library (including Data, Music and Special Collections) and is responsible for a total of 38 staff members, directly supervising 13 professional and paraprofessionals. The Head of the HSS Library is a member of the Library Operating Group and participates in coordinating existing system-wide services as well as the planning and development of new service initiatives.

The collections of the University of Alberta Libraries exceed five million volumes. The Humanities and Social Sciences Library is the largest of the subject libraries within the U of A system. It comprises some 2 million volumes including significant collections of government documents, newspapers, microform and electronic sources. Innovative reference services and an extensive reference and bibliography collection support the wide range of academic disciplines and general interests the unit serves.

The University of Alberta Libraries has a partnership with OCLC for cataloguing of materials. It has unique relationships with the broader community through NEOS, a central Alberta Consortium consisting of 18 government, hospital, college and university libraries and through The Alberta Library.

Qualifications include an MLS degree from an accredited library school and at least three to five years relevant experience, including supervision. Applicants must possess a strong service orientation, excellent communication skills, a thorough understanding of a variety of modes for delivery of services, an interest in trying new service paradigms and in evaluation of current practice, superior management and leadership skills, a commitment to cooperative action and innovative solutions, and a demonstrated interest in the goals of the Library and the profession.

This is a permanent tenure-track position classified at the Librarian 2 level with a current salary range of \$65,571 - \$104,291. Librarians at the U of A are classified as Level 1, Level 2 or Level 3 respectively; they have academic status and participate in a generous benefits program. Note: This is a re-posting. Previous applicants will be considered and need not re-apply. Consideration of resumes will begin on Nov. 24, 2006 and continue until the position is filled.

To apply, please mail, fax or e-mail your resume and the names of three references to: Karen Adams, Director of Library Services and Information Resources
Cameron Library, University of Alberta

Edmonton, Alberta T6G 2J8
Fax: (780) 492-8302
E-mail: karen.adams@ualberta.ca

UNIVERSITY OF ALBERTA AUGUSTANA FACULTY PSYCHOLOGY

As part of a dynamic, multi-year program of renewal and growth at the University of Alberta's Augustana Campus, the Department of Social Sciences invites applications for a tenure-track position in Psychology at the rank of assistant professor, commencing July 1, 2007.

Area of specialization is open; however, the successful candidate will teach a range of undergraduate courses including principles of psychological assessment, statistical methods for psychological research, and advanced experimental design. The successful candidate will also be expected to develop new courses in their area of expertise that contribute to the existing program. The discipline offers the opportunity to teach small classes at all undergraduate levels and mentor senior research students. Applicants should possess or be near completion of a PhD.

The Augustana Faculty teaches more than 1,000 students in baccalaureate degree programs on a picturesque residential campus in the city of Camrose, 90 km southeast of Edmonton. The Faculty is committed to building on its reputation for rigorous, high-quality teaching in the tradition of the liberal arts and sciences, and, in doing so, providing a distinctive undergraduate academic experience for students within one of Canada's leading universities. It seeks to attract promising scholars who will share its enthusiasm for teaching in a small-campus environment, participate actively in a collegial culture of inquiry and public engagement, and flourish as researchers in an undergraduate, interdisciplinary, and rural location.

The ability to contribute to areas of interdisciplinary strength and interest for the Faculty will be an asset. Those areas include environmental studies, international development studies, rural and northern studies, and women's studies.

For information about Augustana and particular programs, please consult the Faculty webpage at www.augustana.ca. Inquiries concerning this position should be directed to Dr. Jeremy Mouat, Chair of Social Sciences at Jeremy.Mouat@ualberta.ca.

Applicants should submit curriculum vitae, including evidence of successful teaching and samples of scholarly work, and arrange to have transcripts and three confidential letters of reference sent to:

Dr. Roger Epp, Dean,
Augustana Faculty, University of Alberta
4901-46 Avenue, Camrose, AB T4V 2R3
Email: Roger.Epp@ualberta.ca

The Committee welcomes applications at any time and expects to begin considering candidates as early as January 2007. Consideration will continue until the position is filled.

FACULTY OF NURSING CONTRACT POSITION

Seeking a consultant with a background in knowledge translation.

A large research team needs periodic advice on knowledge transfer or knowledge translation. This contract position, involving a set fee of \$1,000 per year, is a win-win situation. The successful applicant and the team will both have the satisfaction of knowing that research findings are being used to inform health services planning and health policy. Funding for this work is through a 5-year program of research on rural end-of-life care.

Knowledge transfer/translation skills and a health-care background are required. Please apply if interested, and provide written information on your background and your availability to advise over this year or additional years.

Please e-mail responses to Dr. Donna Wilson: donna.wilson@ualberta.ca.

ENDOWED CHAIR IN ISLAMIC STUDIES FACULTY OF ARTS

The Interdisciplinary Program of Religious Studies in the Faculty of Arts, University of Alberta, invites applications for an endowed Chair in Islamic Studies, at the level of associate or full professor, who will engage in the study of the diverse traditions, cultures and interpretations that form the Islamic world, the history of its rich intellectual and cultural heritage, and its relationship with other societies and faiths. The candidate will be appointed jointly to the Program of Religious Studies and a suitable department in the Faculty of Arts. Research period and specialization are open, but the candidate should anticipate teaching courses that broadly cover the history, ideas, and practices associated with Islam. The successful applicant will be expected to develop, in cooperation with other programs and departments, areas in Islamic Studies that fall within her or his area of expertise, to participate in a growing graduate program, and in the university's ongoing and successful efforts to engage with Muslim communities. Desirable strengths include competence in theories of religion in an interdisciplinary context and in issues of diversity in Islamic traditions and cultures. Applicants must have a completed PhD in Religious Studies, an established record of research publication and evidence of ongoing research potential, and skills as appropriate for effective research in Religious Studies. Hiring decisions for this position will be made on the basis of demonstrated research capabilities, teaching ability, the potential for interdisciplinary collaboration, and fit with departmental needs.

Established in 1908 as a board-governed, public institution, the U of A has earned the reputation of being one of the best universities in Canada based on our strengths in teaching, research, and services. The university serves over 35,500 students in more than 200 undergraduate programs and 170 graduate programs (www.ualberta.ca/). The Faculty of Arts is the oldest and most diverse faculty on campus, and one of the largest research and teaching centres in western Canada (www.arts.ualberta.ca).

Applications, including a curriculum vitae, letters from three academic referees, and sample publications, should be sent by mail to:

Dr. Willi Braun, Director
Program of Religious Studies
1-53 Humanities Centre, University of Alberta
Edmonton, Alberta, Canada T6G 2E5

All applications received by Jan. 31, 2007 will be considered. Salary and rank will be commensurate with qualifications and experience. For further information, contact Dr. Braun at (780) 492-2879 or by email at willi.braun@ualberta.ca.

BIBLIOTHÉCAIRE EN CHEF BIBLIOTHÈQUE SAINT-JEAN, UNIVERSITY OF ALBERTA LIBRARIES

Le réseau des bibliothèques de la University of Alberta, reconnu depuis longtemps pour l'excellence des services qu'il offre à l'université et aux communautés, est à la recherche d'une personne dynamique pour prendre en charge le fonctionnement et le développement de la Bibliothèque Saint-Jean (BSJ). Le poste de bibliothécaire en chef implique la gestion des ressources humaines, financières et matérielles de la BSJ, y compris le développement des collections, la planification et l'établissement des priorités quant aux services, l'évaluation des résultats et la supervision du personnel (8,5 postes). Ouvrant au sein d'une équipe, la personne choisie contribuera à la gestion globale des bibliothèques par l'entremise du Library Operating Group, participera aux activités du Campus Saint-Jean et assumera le rôle de chef de file dans le développement des services de bibliothèque offerts en français dans l'Ouest du Canada.

Le fonds documentaire de plus de cinq millions de volumes du réseau des bibliothèques de la University of Alberta en fait la deuxième plus importante bibliothèque de recherche au Canada. La bibliothèque entretient un lien unique avec la communauté élargie, d'une part grâce à son appartenance au réseau NEOS, un consortium de 18 bibliothèques des milieux gouvernemental, hospitalier, collégial et universitaire, et d'autre part par l'entremise de la Alberta Library. Visitez notre site Web à l'adresse suivante: <http://www.library.ualberta.ca/francais/>.

For complete University of Alberta job listings visit:
www.hrs.ualberta.ca/

La Bibliothèque Saint-Jean fait partie du réseau des bibliothèques de la University of Alberta. Sa mission principale consiste à desservir le corps professoral et les étudiants du Campus Saint-Jean, ainsi qu'à appuyer les programmes d'étude et de recherche qui y sont offerts. Le Campus Saint-Jean est une faculté francophone qui se distingue au sein de l'univers anglophone de la University of Alberta. Le Campus offre des programmes menant au BA, au BAA (conjointement avec la Faculty of Business), au BSc, au BScInf Bilingue (conjointement avec la Faculty of Nursing), au BScEnv Bilingue (conjointement avec la Faculty of Agriculture, Forestry and Home Economics), au BEd, au BEd/BSc, au BEd/AD (après diplôme), à la Maîtrise ès arts (Études canadiennes) et à la Maîtrise en éducation. La langue principale d'enseignement au Campus Saint-Jean est le français. La collection de la BSJ comprend 200 000 volumes et 350 abonnements à des périodiques. Classée selon le système de la Library of Congress, elle couvre les domaines des arts et des humanités, des sciences sociales, des sciences de l'éducation et des sciences pures. La BSJ est une bibliothèque de dépôt sélectif pour les publications en français du gouvernement fédéral et une bibliothèque de dépôt pour les films

de langue française de l'Office national du film. Elle offre également une importante collection de documents pédagogiques et de littérature pour la jeunesse, organisée selon la classification Dewey et celle de la Library of Congress. Bien que le français soit la langue d'enseignement et de recherche au Campus Saint-Jean, les membres du personnel de la BSJ travaillent également en anglais lors de contacts avec leurs collègues anglophones, les usagers externes et le grand public.

Les candidates posséderont une MBSI décernée par une école de bibliothéconomie reconnue et une expérience professionnelle d'au moins trois à cinq ans, y compris une expérience de la supervision. Les entrevues se dérouleront en anglais et en français. Les candidates manifesteront un souci du service à la clientèle, des habiletés exceptionnelles pour la gestion, d'excellentes techniques d'enseignement et de communication, un engagement vis à vis la résolution coopérative de problèmes et des habiletés marquées en gestion de l'information.

Ce poste de bibliothécaire menant à la permanence se situe au niveau 2. Le salaire varie actuellement entre 65 571\$ et 104 291\$. Les bibliothécaires à la University of Alberta font partie du personnel académique et bénéficient d'un généreux pro-

gramme d'avantages sociaux. Le concours prend fin le 30 novembre 2006. Les candidates sont priées de faire parvenir, par courrier régulier, télécopieur ou courrier électronique, un curriculum vitae et le nom de trois répondants à:

Karen Adams, Director of Library Services and Information Resources
Cameron Library, University of Alberta
Edmonton, Alberta T6G 2J8
Télécopieur: (780) 492-8302
Courriel: karen.adams@ualberta.ca

Fondée 1908 à titre d'institution publique dirigée par un conseil, la University of Alberta a mérité sa place parmi les meilleures universités canadiennes grâce à son excellence dans les domaines de l'enseignement, de la recherche et des services. La University of Alberta dessert une population de plus de 36 000 étudiants et offre plus de 200 programmes de premier cycle et 170 programmes d'études supérieures (www.ualberta.ca). Le campus principal de l'université est situé à Edmonton, capitale cosmopolite de la province de l'Alberta. La région métropolitaine d'Edmonton se classe au sixième rang à l'échelle du pays avec une population d'environ un million d'habitants (http://www.edmonton.ca/portal/server.pt). La ville d'Edmonton accueille de nombreux événements culturels et offre un réseau développé de sentiers et de parcs riverains. De plus, elle est située à seulement quelques heures de route des parcs nationaux de Banff et de Jasper, paradis des skieurs en hiver et des amateurs de randonnée durant la saison estivale.

Le Campus Saint-Jean, est une partie intégrale de la University of Alberta. Il s'agit d'un petit joyau francophone (600 étudiants) croissant au cœur de l'Ouest canadien dans un environnement anglophone. Les étudiants vivent donc une expérience unique en son genre. Comme la moyenne d'étudiants par salle de cours est peu élevée, la qualité de l'éducation des étudiants en est rehaussée.

La nomination des employés à la University of Alberta est fondée sur le mérite. L'université respecte le principe d'équité en matière d'emploi. Elle favorise la diversité dans le milieu du travail et encourage toute personne qualifiée, femme ou homme, y compris les autochtones, les personnes handicapées et les membres des minorités visibles, à poser sa candidature.

HEAD LIBRARIAN BIBLIOTHÈQUE SAINT-JEAN, UNIVERSITY OF ALBERTA LIBRARIES

The University of Alberta Libraries, with a long tradition of service excellence to the University and its communities, seek a dynamic individual to take responsibility for operation and development of the Bibliothèque Saint-Jean (BSJ). The Head Librarian manages the human, financial, and physical resources of BSJ including development of the collection, planning and setting priorities for service, evaluation of outcomes, and supervision of 8.5 staff. Working within a team environment, the successful candidate will contribute to the overall management of the Libraries through the Library Operating Group, will participate in the activities of the Campus Saint-Jean and take a leadership role in the development of French language library services in Western Canada.

The University of Alberta Library is Canada's second largest research library, with a collection exceeding five million volumes. The Library has a unique relationship with the broader community

through NEOS, a central Alberta consortium consisting of 18 government, hospital, college and university libraries and through The Alberta Library. Visit our website at <http://www.library.ualberta.ca>.

The Bibliothèque Saint-Jean is part of the larger University of Alberta Libraries system. Its mission is to serve the staff and students and support the programs of study and research of the Campus Saint-Jean. The Campus Saint-Jean is a French language faculty within the English language environment of the University of Alberta. The Campus offers the BA, BAA (jointly with the Faculty of Business), BSc, BScInf Bilingue (with the Faculty of Nursing), BScEnv Bilingue (with the Faculty of Agriculture, Forestry and Home Economics), BEd, BEd/BSc, BEd/AD (After Degree), MA (in Canadian Studies) and MEd programs to students in the French language. The Bibliothèque Saint-Jean collection (200,000 volumes, 350 serials) contains resources in the arts and humanities, the social sciences, education and pure sciences, classified according to the Library of Congress. It is a selective depository for federal government publications and a depository for French language films from the National Film Board. It also has an extensive collection of curriculum materials and children's literature arranged in the Dewey classification as well as Library of Congress. While the French language is the language of teaching and research at the Campus Saint-Jean, staff of the Bibliothèque Saint-Jean must work equally well in English in order to communicate with their English-speaking library colleagues, external users and the public.

Qualifications will include an MLS degree from an accredited library school and at least three to five years relevant experience, including supervision. The interview will be conducted in both English and French. Applicants must possess a strong service orientation, superior management skills, excellent instructional and communications skills, a commitment to cooperative solutions and superior information management skills.

This tenure-track position is classified at the Librarian 2 level with a current salary range of \$65,571 to \$104,291. Librarians at the University of Alberta have academic status and participate in a generous benefits program. Closing date for the position is Nov. 30, 2006. To apply please mail, fax or e-mail your resume and the names of three references to:

Karen Adams, Director of Library Services and Information Resources
Cameron Library, University of Alberta
Edmonton, Alberta, Canada T6G 2J8
Fax: (780) 492-8302
E-mail: karen.adams@ualberta.ca

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notices

Please send notices attention Folio, 6th floor General Services building, University of Alberta, T6G 2H1 or e-mail public.affairs@ualberta.ca. Notices should be received by 12 p.m. Thursday one week prior to publication.

FSIDA (FUND FOR SUPPORT OF INTERNATIONAL DEVELOPMENT ACTIVITIES)

The deadline for receipt of applications to the FSIDA is 4:30 p.m., January 15, 2007.

This Fund exists to enable staff and graduate students of the University of Alberta to participate in the international transfer of knowledge and expertise and graduate research through partnerships in developing countries.

Applications and guidelines are available on the University of Alberta International website www.international.ualberta.ca or from the FSIDA Secretary at University of Alberta International, 1204 College Plaza, 8215-112 Street, telephone 492-2391.

WORKLOAD WORKLIFE TASK FORCE TOWNHALL MEETING

Background: As part of the 2005 Memorandum of Settlement between the AAS:UA and the Board of Governors of the University of Alberta, a joint Task Force was struck to study the workload/work life of academic staff on campus and to make recommendations. The Town Hall meeting represents one source of information to be used by the Task Force. Purpose: This town hall meeting is intended to encourage discussion about issues, and possible strategies to address, the Workload and Work Life of academic staff (i.e., faculty, librarians, FSOs, APOs, contract academic staff, trust/research academic staff and other contract staff falling within the scope of the Sessional Agreement) at the University of Alberta. Members of the Task Force

will also answer questions about the process and expected outcomes. The Task Force is interested in hearing from you. Please also feel free to contact us at the following email address: task@uhall.ualberta.ca. Nov. 24, 2:30 - 4 p.m. Tory Lecture Theatre 12.

MCCALLA PROFESSORSHIPS - APPLICATION DEADLINE FOR SMALL FACULTIES

Applications are invited from continuing faculty from the Faculties of Augustana, Extension, Graduate Studies and Research, Law, Native Studies, Nursing, Pharmacy and Pharmaceutical Sciences, Physical Education and Recreation, Rehabilitation Medicine, Campus Saint-Jean and School of Public Health.

These prestigious awards are available for professors who have made significant contributions to their field of research, teaching and learning.

Application information is available from Dean's Offices. It is also available on the web site <http://www.uofaweb.ualberta.ca/provost/AwardsFunding.cfm>.

Applications must be received by the Vice-Provost (2-10 University Hall) by Dec. 1, 2006.

ALAN BLIZZARD AWARD

The Alan Blizzard Award was developed by the Society for Teaching and Learning in Higher Education (STLHE) to stimulate and reward collaboration in teaching, and encourage and disseminate the scholarship of teaching. The award is given to



UNIVERSITY OF ALBERTA

**UNITED WAY
2006 CAMPAIGN**



Christmas Tree Sales

November 26 – December 22
Corbett Hall Parking Lot

10% of proceeds will be donated to the
University of Alberta's United Way Campaign.



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Your feet are the foundation of your body...

Foot Pain?
Knee Pain?
Back Pain?

Digital information and our physiotherapist's clinical exam are combined to make affordable prescription orthotics, worn in your shoes, to correct many abnormal foot functions.

Clip this ad for a **FREE** computerized foot analysis

Call **431-1050**
(valid until December 14, 2006)

University Physical Therapy
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Conveniently located in College Plaza

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Wheelchair Accessible **433-5500**

Display advertisements: Camera-ready artwork is required to size, complete with halftones if necessary. Call 417-3464 for sizes, rates and other particulars.

collaborative projects that increase the effectiveness of student learning. The first Alan Blizzard Award was given in 2000; teams from the University of Alberta received the award in 2000 and 2003.

The deadline to submit applications to STLHE for the Alan Blizzard Award is Jan. 12, 2007. The application form is available at <http://www.mcmaster.ca/stlhe/awards/alan.blizzard.award.html>. Inquiries may be directed to Aline Germain-Rutherford, Alan Blizzard Coordinator, STLHE, at agermain@uottawa.ca. More information and assistance is also available from Bobbi Schiestel, Faculty Awards Facilitator, Academic Awards and Ceremonies, at 492.2644 or via email at bobbi.schiestel@ualberta.ca.

BREAKFAST ROUNDTABLES WITH PRESIDENT SAMARASEKERA

President Samarasekera invites members of the University community to join her for breakfast and an open discussion on issues of interest to the participants.

All breakfast meetings will take place from 7:30 am to 8:30 a.m. in the Saskatchewan Room at the

Faculty Club.

Dates for Students:

Thursday, October 5
Dates for Academic Staff:
Monday, October 30
Monday, November 27

Dates for Support Staff:

Friday, October 20
Monday, December 4

Dates for Departmental Chairs:

Monday, October 23
Wednesday, November 1

Space is limited and pre-registration is required.

To register, send an e-mail to: sheila.stosky@ualberta.ca. Students are asked to include their program and year of study. Academic, support staff and chairs are asked to include their faculty or department.

The deadline to register is two business days before each breakfast event.

For further information, please contact: Sheila Stosky, Events Coordinator, Office of the President, 492-1525.

ads

Ads are charged at \$0.65 per word. Minimum charge: \$6.50. All advertisements must be paid for in full by cash or cheque at the time of their submission. Bookings may be made by fax, mail or email provided payment is received by mail prior to the deadline date. Pre-paid accounts can be set up for frequent advertisers. Please call 492-2325 for more information.

ACCOMMODATIONS FOR RENT

REAL ESTATE – Buy or Sell, Leases (furnished/unfurnished). Janet Fraser or Gordon W.R. King. Telephone: (780) 441-6441, www.gordonwrking-assoc.com Gordon W.R. King and Associates Real Estate Corp.

RIVERWIND – Absolutely stunning view of river valley – UofA quick access, one bedroom executive condo. Open plan, hardwood floors, corner fireplace, huge master bdr with ensuite. In suite laundry, one underground parking stall. \$3,000/mo including heat/water. Power/cable extra. Available Jan 1, 2007. Call Janet Fraser (780) 441-6441. Gordon W.R. King & Assoc. Email: jennfra@interbaun.com.

IF YOU WANT A COSY PLACE FOR CHRISTMAS – 3 bdr fully furnished 2 storey townhouse condo! Wood burning fireplace in sunken living/dining area. Finished family room and laundry in basement. 4 piece bath and 2 piece bath. Backs onto park area. \$1,600/mo plus utilities. Available Dec 15, 2006 negotiable. Call Janet Fraser (780) 441-6441. Gordon W.R. King & Assoc. Email: jennfra@interbaun.com.

GARNEAU GEM adjacent to UofA – open plan concept and technically “state of the art” in-law suite with 2 bdr, designer kitchen and 4 piece bathroom. Parking in new garage at back of property. \$900/mo plus utilities. Available Jan 1, 2007. Call Janet Fraser (780) 441-6441. Gordon W.R. King & Assoc. Email: jennfra@interbaun.com.

EXECUTIVE 2 BEDROOM + LOFT CONDO IN GARNEAU Lofts walking distance to UofA and hospital. Gas fireplace in living room, Master bedroom has ensuite. Two underground Heated Parking stalls. Storage area. \$2,200/mo includes utilities except phone and cable. Available Dec 1, 2006. Call Janet Fraser (780) 441-6441. Gordon W.R. King & Assoc. Email: jennfra@interbaun.com.

DUGGAN NEAR UOFA, fully furnished bungalow – 2 bdr/2 bath plus office. Formal living/dining room, renovated kitchen which opens into family room with eating area. New hardwood floors. Home is beautifully landscaped and set up for a professional couple or a single person. \$1,300/mo. Available immediately to March 31, 2007. Call Janet Fraser (780) 441-6441. Gordon W.R. King & Assoc. Email: jennfra@interbaun.com.

EXECUTIVE 2 STOREY HOME IN ROSSDALE – 3 bdr, 2 bath, and a unique well sized loft. Designer granite/oak kitchen, with open concept into dining/living room. Fully finished basement with family room, bathroom/steam shower, Hardwood floors throughout. \$3,000/mo, unfurnished, available immediately. Call Janet Fraser 780-441-6441. Gordon W.R. King & Assoc. Email: jennfra@interbaun.com.

GREAT 2 STOREY HOME IN SHERWOOD PARK – Fully furnished. Open plan concept, 3 bdr 2 bath, family room with fireplace, unfinished basement. \$1,300/mth plus utilities available immediately to March 31, 2007. Call Janet Fraser (780) 441-6441. Gordon W.R. King & Assoc. Email: jennfra@interbaun.com.

ELEGANT HIGH STREET 8TH FLOOR UNIT – with a great skyline view of the city. Granite counter tops, maple cabinetry, high quality appliances, hardwood and an oasis like master bedroom with ensuite. Security cameras at entrance to building. U/G parking/fitness room. The location will allow fast access to the central business district, UofA and the west and north areas of the city. \$2,300/mo. Utilities extra. Call Janet Fraser (780) 441-6441 Gordon W.R. King & Assoc. Real Estate Corp. Email jennfra@interbaun.com.

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'S' vase, Christine Cote

STUDENTS DESIGN A CAREER PATH

Fundraiser takes design students across the country

By Mark Wells

The University of Alberta Department of Industrial Design somewhat resembles a reality show these days. The department's young, outgoing, and fashionable students are being thrown head-first into their profession, competing for one of a dozen spots available at the upcoming Toronto Interior Design Show in February.

Students put a huge amount of pressure on themselves to get ready for the show, but that wasn't always the case. Professor Industrial Design professor Tim Antoniuk says that back in 2003 the design show initiative was a "tough sell."

Students were deterred not only by the work involved, but the money that was required. Students had to come up with their own cash for plane tickets, hotel accommodations, and product shipping. But those who got involved changed the character of the department.

"Students came back in 2003 and were like 'Oh my god, it was career-changing.' So, in 2004, everyone was getting interested," said Antoniuk. "Now a non-profit organization has been set up, students are raising money. This morning Lorraine Mansbridge from Global television came in. The motivational level we've seen is through the roof."

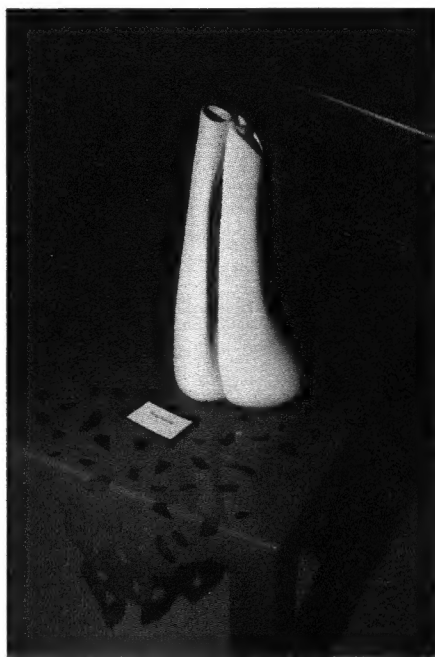
The non-profit orga-

nization is the fledgling Student Design Association, a high-energy group that hosted the Evening of Design silent auction on Nov. 15 to showcase student work and raise money for the Toronto show. The group has just returned from the Vancouver Home and Interior Design show, and, after Toronto is out of the way, has its sights set on the International Contemporary Furniture Fair being held in New York City this coming May.

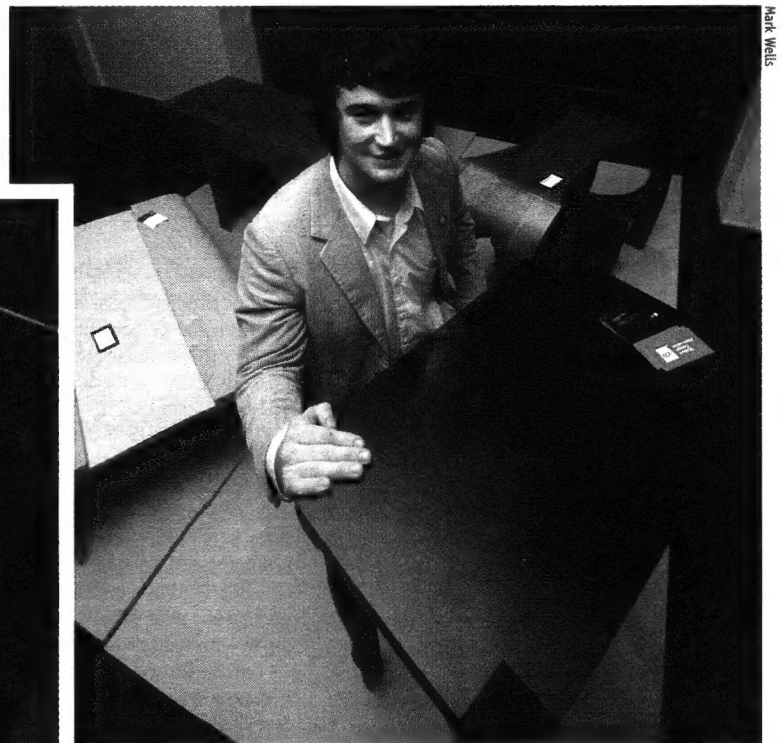
This year marks the first time Visual Communication Design students and Industrial Design Students have showcased their work together, says association president Jonathon Griffiths. He says the fundraising and the pride inherent in taking the university's top designers to national and international audience makes for great collaboration among students, but confirms that competition is always foremost in students' minds.

"It's tough. We have 300, 400 and 500-level work around the room and you cannot tell the difference among them. It's very competitive and that's one of the great things about our program.

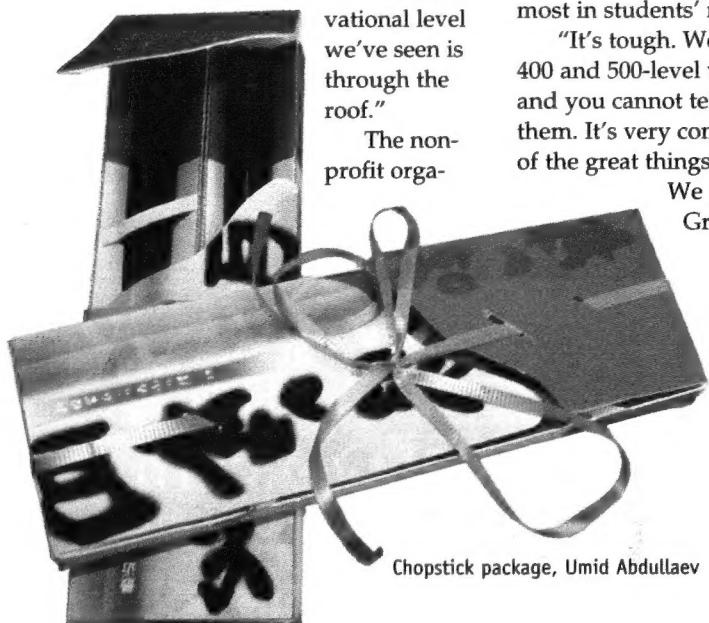
We push each other," said Griffiths. ■



Coffee table by Andrea Harrison, marrow vase by Greg Auger



Alex Fitzpatrick hopes his surf-inspired table makes a splash at auction.



Chopstick package, Umid Abdullaev

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